

# 2026 NEW

## PRODUCT PREVIEW GUIDE

### Mitutoyo

WLI Plan APO Infinity Corrected Objectives

Page 11



### TELEDYNE

FLIR IIS Forge 1GigE

SWIR Cameras

Page 5



Fiber-Coupled  
Benchtop Laser Systems

Page 8



Color Corrected  
F-Theta Lenses

Page 9



### BASLER

Basler ace2

Ultraviolet (UV) Cameras

Page 6



Multi-Band Machine Vision  
Bandpass Filters

Page 7



Polarizing Cube Beamsplitters for Quantum Computing

Page 3



**Edmund**  
optics | worldwide

1.800.363.1992 | [www.edmundoptics.com/new](http://www.edmundoptics.com/new)

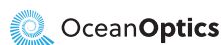
# NEW PRODUCTS AND TECHNOLOGIES ADDED WEEKLY!

“The top brands in optics, microscopy, cameras, and lasers are available directly from Edmund Optics®. With thousands of products added each year, you can be confident in our quality, selection, and value. With millions of components on the shelf for immediate delivery, supported by our highly trained team of global support engineers, **we're here for you!**”

– Ed Kay, Sr. Vice President of Retail Marketplace



**Edmund Optics®:** Your One Stop for the Most Trusted Brands



For our most up to date new products, visit [www.edmundoptics.com/new](http://www.edmundoptics.com/new).

- Ideal for Trapped-Ion and Neutral Atom Applications
- Range of Application-Specific Wavelengths from 366nm to 815nm
- Surface Quality of 20-10 to Reduce Loss with Low-Light Signals

Polarizing Cube Beamsplitters for Quantum Computing are ideal for use in trapped ion, linear optical, and neutral atom quantum computing and quantum cryptography and communication applications. These beamsplitters are available in a range of commonly used, application-specific wavelengths across the UV to NIR spectrum covering the main wavelengths of commonly used ions (Ytterbium/Strontium/Calcium) energy levels to provide Rydberg excitation, Doppler cooling and other operations such as Raman effects, trapping of ions and others.

They offer a >99.5% reflection of S-Polarized light and >96% transmission of P-Polarized light. Featuring a compact 12.7mm cube construction, these beamsplitters can be easily integrated into benchtop applications or OEM devices and help to save space in the system. Polarizing Cube Beamsplitters for Quantum Computing feature a fused silica substrate, offering low temperature sensitivity, and are AR-coated for maximum transmission at the design wavelength to ensure optimal performance with low light signals. These beamsplitters feature precision right angle prisms to ensure  $\lambda/6$  surface flatness and a surface quality of 20-10. Half Waveplates for Quantum Computing are also available, and custom wavelengths are available for both.



Dimensions (mm):	12.7 x 12.7 x 12.7	Surface Quality:	20-10
Substrate:	Fused Silica	Beam Deviation (arcmin):	<3
S-Polarization Reflection (%):	>99.5	Clear Aperture CA (mm):	>90
P-Polarization Transmission (%):	>96	Dimensions (mm) Tolerance:	+0.0/-0.3
Extinction Ratio:	>1000:1	Bevel:	Protective bevel as needed
Surface Flatness (P-V):	$\lambda/6$ @ 632.8nm		

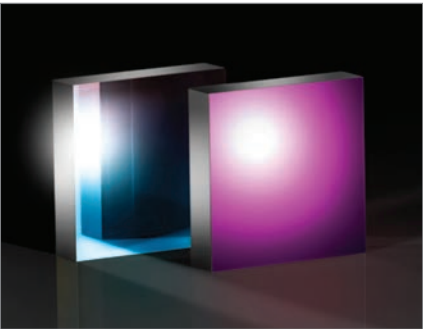
DWL (nm)	Wavelength Range (nm)	Stock No.	Price
366	366 - 369	#72-215	\$524.70
392	392 - 399	#72-216	\$524.70
435	425 - 445	#72-217	\$524.70
495	493 - 553	#72-218	\$524.70
689	679 - 698	#72-219	\$524.70
815	810 - 825	#72-220	\$524.70

Omega Optical DUV Transmission Gratings

- Designed for Deep Ultraviolet (DUV) Wavelengths between 190 - 400nm
- High Performance in Harsh Environments
- Multiple Diffraction Angles Available in 12.7 or 25mm Square Sizes
- 2025 SPIE Prism Award Winning Product

Omega Optical DUV Transmission Gratings are designed to extend into the deep UV range, covering 190 - 400nm. Featuring good environmental stability and resistance to solarization, these gratings offer high performance and durability for systems operating in harsh environments. These Gratings provide a diffraction efficiency of 20% for wavelengths greater than 190nm and up to 50% for wavelengths between 200 - 240nm. Omega Optical DUV Transmission Gratings are available in 12.7 and 25mm square construction with resolution ranges from 300 - 1200 grooves/mm. These gratings are ideal for applications that require high-performance solutions, such as semiconductor manufacturing and life science analysis.

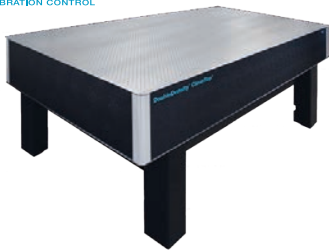
**Handling Gratings:** Gratings require special handling and are prone to damage from fingerprints and aerosols. Gratings should only be handled by the edges.



Clear Aperture (%):	90
Thickness (mm):	2.00

Dimensions (mm)	Groove Density (grooves/mm)	Blaze Angle (°)	Wavelength Range (nm)	Stock No.	Price
12.70 x 12.70	300	8.6	190 - 400	#73-792	\$614.80
12.70 x 12.70	600	13	190 - 400	#73-794	\$614.80
12.70 x 12.70	600	17.5	190 - 400	#73-796	\$614.80
12.70 x 12.70	600	22	200 - 400	#73-797	\$614.80
12.70 x 12.70	830	19.4	190 - 400	#73-798	\$614.80
12.70 x 12.70	1200	26.7	190 - 400	#73-799	\$614.80
25.00 x 25.00	300	8.6	190 - 400	#73-800	\$1,054.70
25.00 x 25.00	600	13	190 - 400	#73-801	\$1,054.70
25.00 x 25.00	600	17.5	190 - 400	#73-802	\$1,054.70
25.00 x 25.00	600	22	200 - 400	#73-803	\$1,054.70
25.00 x 25.00	830	19.4	190 - 400	#73-804	\$1,054.70
25.00 x 25.00	1200	26.7	190 - 400	#73-805	\$1,054.70

## TMC™ Vibration Control CleanTop® Performance Series Optical Tables \*Family ID 4633



- All Steel, Vacuum Compatible, Spill Proof Optical Top
- Available with English or Metric Tapped Holes
- Highest Core Density and Smallest Honeycomb Cell Area

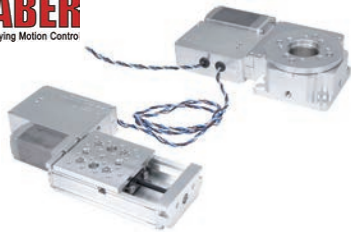
TMC™ Vibration Control CleanTop® Performance Series Optical Tables feature a spill-proof all-steel construction, which adds structural integrity, thermal stability, and vacuum compatibility for laboratory or industrial environments. These tables feature either standard ¼-20 on 1 in. centers tapped holes or metric M6 on 25 mm centers tapped holes and are available with casters for convenient installation or relocation. Each CleanTop cup is individually epoxied and the small cylindrical cell size of approximately 0.5 in., ensures a more stable working environment. TMC™ Vibration Control CleanTop® Performance Series Optical Tables feature a lightly sanded surface to reduce reflections from the optical top. These tables are ideal for applications requiring an extremely sensitive working environment, such as interferometry, holography, and ultra-fast laser metrology.

### Accessories

Type	Stock No.	Price
Retractable Casters for CleanTop	#78-498	\$675.00
CleanTop 4ft Complete Shelf System	#78-500	\$2,210.00
CleanTop 6ft Complete Shelf System	#78-501	\$2,325.00
CleanTop 8ft Complete Shelf System	#78-502	\$2,565.00
CleanTop 10ft Complete Shelf System	#78-503	\$2,740.00
CleanTop 4ft Second Tier Shelf	#78-504	\$1,125.00
CleanTop 6ft Second Tier Shelf	#78-505	\$1,245.00
CleanTop 8ft Second Tier Shelf	#78-506	\$1,410.00
CleanTop 10ft Second Tier Shelf	#78-507	\$1,640.00

Type	Width (mm)	Length (mm)	Weight (lbs)	Stock No.	Price
4'x6'x8" CleanTop Optical Table, English	152.4	101.6	1028	#78-474	\$12,740.00
4'x6'x8" CleanTop Optical Table, Metric	152.4	101.6	1028	#78-476	\$12,740.00
4'x6'x12" CleanTop Optical Table, English	152.4	101.6	1170	#78-478	\$13,080.00
4'x6'x12" CleanTop Optical Table, Metric	152.4	101.6	1170	#78-480	\$13,080.00
4'x8'x8" CleanTop Optical Table, English	203.2	101.6	1287	#78-482	\$13,780.00
4'x8'x8" CleanTop Optical Table, Metric	203.2	101.6	1287	#78-484	\$13,780.00
4'x8'x12" CleanTop Optical Table, English	203.2	101.6	1471	#78-486	\$14,470.00
4'x8'x12" CleanTop Optical Table, Metric	203.2	101.6	1471	#78-488	\$14,470.00
4'x10'x12" CleanTop Optical Table, English	254	101.6	1777	#78-490	\$16,730.00
4'x10'x12" CleanTop Optical Table, Metric	254	101.6	1777	#78-492	\$16,730.00
5'x8'x12" CleanTop Optical Table, English	203.2	127.0	1752	#78-494	\$15,820.00
5'x8'x12" CleanTop Optical Table, Metric	203.2	127.0	1752	#78-496	\$15,820.00

## Zaber™ Vacuum Compatible Motorized Stages \*Family ID 4648



- Low Vacuum (10<sup>-3</sup> Torr) and High Vacuum (10<sup>-6</sup> Torr) Options Available
- 360° Rotational, Linear, or Vertical Travel Stages, and Goniometer Options Available
- Controlled via Minimal Feed-Through Wires

Zaber™ Vacuum Compatible Motorized Stages are designed for integration into vacuum systems and are available in high vacuum 10<sup>-6</sup> Torr stages or low vacuum 10<sup>-3</sup> Torr configurations. The stage body components are specifically engineered to limit outgassing of contaminants in the vacuum chamber, the included stepper motors are designed for thermal management in high vacuum environments, and the stages can be connected to a computer interface with minimal feed-through wires. Zaber™ Vacuum Compatible Motorized Stages are available in linear, 360° rotational, and goniometric configurations, allowing for a complete 6 Degree-of-Freedom system to be constructed in a vacuum. These stages are ideal for applications operating in high vacuum conditions, such as semiconductor manufacturing and processing, or optical coating processes.

**Note:** An accessories kit, #75-301, is required and sold separately.

### Accessories

Type	Stock No.	Price
T9 Female to M8 Male Cable, 60cm Long	#75-302	\$317.00
Accessory Kit for Zaber Vacuum Stages	#75-301	\$195.00

Type of Movement	Stage Size (mm)	Travel (mm)	Travel (°)	Load Capacity (kg)	Vacuum Compatibility	Stock No.	Price
Linear (Z)	73.0 x 91.5	20.0		10	High vacuum (10 <sup>-6</sup> Torr)	#74-711	\$6,125.00
Linear (Z)	73.0 x 91.5	20.0		10	Low vacuum (10 <sup>-3</sup> Torr)	#74-705	\$4,392.00
Linear (X)	173.4 x 101.2	50.8		10	High vacuum (10 <sup>-6</sup> Torr)	#74-699	\$6,349.00
Linear (X)	173.4 x 101.2	50.8		10	Low vacuum (10 <sup>-3</sup> Torr)	#74-698	\$5,081.00
Linear (X)	224.2 x 152.0	101.6		10	High vacuum (10 <sup>-6</sup> Torr)	#74-700	\$6,696.00
Goniometer	72.7 x 116.3		±7	3	Low vacuum (10 <sup>-3</sup> Torr)	#74-720	\$5,529.00
Goniometer	72.7 x 116.3		±7	3	High vacuum (10 <sup>-6</sup> Torr)	#74-721	\$6,267.00
Goniometer	72.7 x 116.3		±10	3	High vacuum (10 <sup>-6</sup> Torr)	#74-718	\$6,267.00
Goniometer	72.7 x 116.3		±10	3	Low vacuum (10 <sup>-3</sup> Torr)	#74-717	\$5,529.00
Rotary	131.5 x 73.2		360	20	Low vacuum (10 <sup>-3</sup> Torr)	#74-702	\$5,321.00
Rotary	131.5 x 73.2		360	20	High vacuum (10 <sup>-6</sup> Torr)	#74-704	\$5,746.00



- **1.3MP Resolution with Framerates up to 92FPS**
- **Extended Spectral Range of 400 to 1700 nm**
- **Compact (40 x 40 x 43mm), Lightweight, and Robust All Metal Design**
- **Requires an End User Statement to Be Completed Before Shipment**

Teledyne FLIR IIS Forge 1GigE SWIR Cameras are engineered to deliver high-performance imaging across both visible and short-wave infrared (SWIR) spectrums, making them ideal for a variety of industrial applications where performance is critical. These cameras' capabilities make them versatile tools for applications requiring detailed imaging beyond the visible spectrum. FLIR IIS Forge 1GigE SWIR Camera is essential in applications where traditional visible light imaging is insufficient.



Model Number	Camera Sensor Format	Imaging Sensor	Resolution (MegaPixels)	Pixels (H x V)	Pixel Size, H x V (µm)	Frame Rate (fps)	Type of Shutter	Mount	Type	Stock No.	Price
FG-PGE-13S3S-U-C	½"	Sony IMX990	1.3	1,280 x 1,024	5 x 5	92	Global	C-Mount	SWIR Camera	#73-735	\$12,299.00

Accessories		
Type	Stock No.	Price
CS- to C-mount Adapter	#70-319	\$14.09
CS- to S-mount (M12) Adapter	#70-320	\$14.09
12 V Power Supply, 6-pin Connector	#88-063	\$89.53
Hirose HR10 Connector, 6-pin	#88-066	\$29.84
Cat 6 GigE Cable with Locking Screws, 5m	#86-785	\$74.01
GigE PCIe 21x4 2 Port Interface Card with PoE	#19-400	\$223.22

LUCID Vision Labs Triton2™ GigE PoE SWIR Cameras

- **Up to 5.20MP Resolution with Framerates up to 49.40FPS**
- **Actively Aligned Image Sensor for Precise Optical Axis Alignment**
- **Ideal for Electronic and Agricultural Inspection, Surveillance, and More**
- **Requires an End User Statement to Be Completed Before Shipment**

LUCID Vision Labs Triton2™ Power over Ethernet (PoE) SWIR Cameras are designed to provide high-resolution images across the visible, near-infrared (NIR), and shortwave infrared (SWIR) spectrum from 400 - 1750nm. Featuring an actively aligned image sensor, these cameras are designed to minimize sensor tilt and rotation and ensure alignment of the image sensor to the lens optical axis. For harsh environments with dust or water, accessory lens tubes are available to ensure an IP67 rating. LUCID Vision Labs Triton2™ Power over Ethernet (PoE) SWIR Cameras feature excellent thermal management with a wide operating temperature range from -20°C to 55°C. These cameras are ideal for automotive, process control, and food and beverage applications.



<b>Video Output:</b>	2.5GigE (PoE)
<b>Mounting Threads:</b>	¼-20 with Tripod Mount Adapter
<b>Image Buffer:</b>	128
<b>Type of Sensor:</b>	Progressive Scan CMOS
<b>Type of Shutter:</b>	Global
<b>Pixel Size, H x V (µm):</b>	3.45 x 3.45
<b>Pixel Depth:</b>	8, 10, 12 bit
<b>Exposure Time:</b>	22.656 µs to 10 s
<b>Connector:</b>	2.5GigE, GigE, M12
<b>GPIOs:</b>	1 opto-isolated input, 1 opto-isolated output, 2 non-isolated bi-directional ports

<b>Synchronization:</b>	Hardware Trigger (GPIO), Software Trigger, or PTP (IEEE 1588)
<b>Dimensions (mm):</b>	44.0 x 29.0 x 45.3 (excludes connectors and lens mount)
<b>Weight (g):</b>	90
<b>Mount:</b>	C-Mount
<b>Housing:</b>	Full
<b>Interface Port Orientation:</b>	Back Panel
<b>Dynamic Range (dB):</b>	42
<b>Operating Temperature (°C):</b>	-20 to +50
<b>GPIO Connector Type:</b>	8-pin M8

Model Number	Camera Sensor Format	Imaging Sensor	Resolution (MegaPixels)	Pixels (H x V)	Frame Rate (fps)	Stock No.	Price
TRT033S-WC	⅙"	Sony IMX993 InGaAs	3.2	2,048 x 1,536	80.3	#74-322	\$16,500.00
TRT053S-WC	⅙"	Sony IMX992 InGaAs	5.2	2,560 x 2,048	49.4	#74-326	\$21,000.00

Accessories		
Type	Stock No.	Price
¼-20 Tripod Adapter for Triton2™ and SenSWIR™	#29-106	\$16.00
M8 GPIO Power Supply for Triton/Atlas/Helios™, US Plug	#18-364	\$89.53
M12-RJ45 CAT6A Ethernet IP67 Cable 2M (A)	#23-983	\$44.17
Procet 5G 30W POE+ injector	#28-890	\$65.00



- Ruggedized Designs of our UC Series Lens
- 1/8", S-Mount Lens with 50g Shock Resistance
- Up to 12 MegaPixels, 1.85µm Pixel Size Sensors

TECHSPEC® UCr Series Fixed Focal Length Lenses utilize the same optics as the TECHSPEC® UC Series Lenses while providing stabilized ruggedization to protect the lens from damage while maintaining optical pointing and positioning after shock and vibration. All individual lens elements are glued in place to reduce pixel shift on the sensor, ensuring the object-to-image mapping is maintained after heavy shock and vibration. These lenses provide high performance at an affordable cost in a compact form without sacrificing quality or feel. TECHSPEC® UCr Series Fixed Focal Length Lenses are designed for pixels that are  $\leq 1.85\mu\text{m}$ , these lenses provide high levels of resolution ( $>200\text{ lp/mm}$ ) across the sensor and are compatible with all standard S-Mount cameras.

Mount:	S-Mount
Length (mm):	38.00
Outer Diameter (mm):	22.00
Working Distance (mm):	100 - $\infty$
Horizontal Field of View, 1/3" Sensor:	22.8°
Horizontal Field of View, 1/2.5" Sensor:	27.5°

Horizontal Field of View @ Max Sensor Format:	34.0°
Optimized Sensor Format:	1/2.5"
Maximum Sensor Format:	1/1.8"
Maximum Distortion (%):	-3.03
Filter Thread:	M22 x 0.75 (Female)

FL (mm)	Aperture (f/#)	Stock No.	Price
12.00	f/1.8	#71-453	\$269.50
12.00	f/2.8	#71-454	\$269.50
12.00	f/4.0	#71-455	\$269.50
12.00	f/5.6	#71-456	\$269.50
12.00	f/8.0	#71-457	\$269.50
12.00	f/11.0	#71-458	\$269.50
12.00	f/16.0	#71-459	\$269.50

## Basler ace2 Ultraviolet (UV) Cameras

\*Family ID 4592



- UV (200 - 400nm) Imaging Capabilities with 8.1MP, 2.3" Sensor Format
- Compact Housing (29 x 29mm)
- Framerates up to 67fps
- Powerful Computer Vision Feature Set with Beyond Features

Basler ace2 Ultraviolet (UV) Cameras integrate the Sony IMX487 Pregius S UV Sensor for high sensitivity in the 200 - 400nm UV spectrum. Featuring a compact 29 x 29mm form factor with 8.1MP sensor resolution, global shutter, and a 2/3" sensor format, these cameras are easily integrated into a variety of inspection applications. Basler ace2 Ultraviolet (UV) cameras integrate advanced Beyond software features for more efficient bandwidth use and more flexible scalability of pixel sizes, maximizing camera performance for demanding application requirements. These cameras are available in either GigE, 5GigE, or USB3.0 interfaces for high data throughput and are ideal for inspection applications operating within the ultraviolet (UV) wavelength such as wafer inspection, material sorting, security and surveillance, and solar inspection.

Imaging Sensor:	Sony IMX487
Camera Sensor Format:	2/3"
Sensing Area, H x V (mm):	7.78 x 7.78
Pixels (H x V):	2,856 x 2,848
Pixel Size, H x V (µm):	2.74 x 2.74
Resolution (MegaPixels):	8.10

Type of Sensor:	Progressive Scan CMOS
Type of Shutter:	Global
Pixel Depth:	8/10/12 bit
Exposure Time:	Freely Programmable
Mount:	C-Mount

Model Number	Video Output	Frame Rate (fps)	Stock No.	Price
a2A2840-14gmUV	GigE (PoE)	14	#72-580	\$6,674.40
a2A2840-48umUV	USB 3.0	48	#72-579	\$6,674.40
a2A2840-67g5mUV	5GigE (PoE)	67	#72-581	\$7,344.00

- Block and Transmit Desired Key VIS and NIR Spectral Bands with One Filter
- Remove The Need for Dual Sensor Setups
- Anti-Reflection Coating for Durability and Performance
- Various Mounting Thread Options Available

Multi-Band Machine Vision Bandpass Filters feature both double or triple bandpass options in one filter, allowing for greater flexibility in system design. These filters are designed with up to >90% transmission in the visible (VIS) or near-infrared (NIR) spectra with various wavelength range combinations available. Additionally, these filters are AR coated for optimal transmission and feature a hard-coated, single-substrate design with superior surface quality to maximize optical performance. Multi-Band Machine Vision Bandpass Filters ensure accurate color reproduction by blocking unwanted wavelengths, eliminating the need for dual-sensor imaging. These filters are ideal for surveillance applications such as, security and intelligent traffic management, as well as normalized difference vegetation index (NDVI) imaging applications.

**Note:** Other filter threads are available upon request.



Surface Quality	40/20
Mount Thickness (mm)	5.2

Type	Color	Filter Thread	Transmission Wavelength (nm)	FWHM Range (nm)	Stock No.	Price
Dual Bandpass	VIS-NIR	M22.5 x 0.5	375-425nm, 745-970nm	110nm, 375nm	#74-529	\$115.54
Dual Bandpass	VIS-NIR	M25.5 x 0.5	375-425nm, 745-970nm	110nm, 375nm	#74-534	\$115.54
Dual Bandpass	VIS-NIR	M30.5 x 0.5	375-425nm, 745-970nm	110nm, 375nm	#74-535	\$124.02
Dual Bandpass	VIS-NIR	M37 x 0.75	375-425nm, 745-970nm	110nm, 375nm	#74-536	\$144.16
Dual Bandpass	Blue-NIR	M22.5 x 0.5	460-490nm, 830-870nm	45nm, 60nm	#74-537	\$219.42
Dual Bandpass	Blue-NIR	M25.5 x 0.5	460-490nm, 830-870nm	45nm, 60nm	#74-539	\$219.42
Dual Bandpass	Blue-NIR	M30.5 x 0.5	460-490nm, 830-870nm	45nm, 60nm	#74-540	\$236.38
Dual Bandpass	Blue-NIR	M37 x 0.75	460-490nm, 830-870nm	45nm, 60nm	#74-542	\$276.66
Dual Bandpass	Green-NIR	M22.5 x 0.5	535-565nm, 830-870nm	40nm, 50nm	#74-544	\$219.42
Dual Bandpass	Green-NIR	M25.5 x 0.5	535-565nm, 830-870nm	40nm, 50nm	#74-545	\$219.42
Dual Bandpass	Green-NIR	M30.5 x 0.5	535-565nm, 830-870nm	40nm, 50nm	#74-548	\$236.38
Dual Bandpass	Green-NIR	M37 x 0.75	535-565nm, 830-870nm	40nm, 50nm	#74-556	\$276.66
Dual Bandpass	Red-NIR	M22.5 x 0.5	645-675nm, 830-870nm	40nm, 50nm	#74-557	\$219.42
Dual Bandpass	Red-NIR	M25.5 x 0.5	645-675nm, 830-870nm	40nm, 50nm	#74-559	\$219.42
Dual Bandpass	Red-NIR	M30.5 x 0.5	645-675nm, 830-870nm	40nm, 50nm	#74-560	\$236.38
Dual Bandpass	Red-NIR	M37 x 0.75	645-675nm, 830-870nm	40nm, 50nm	#74-561	\$276.66
Dual Bandpass	VIS-735nm-NIR	M22.5 x 0.5	404-645nm, 725-755nm	250nm, 50nm	#74-563	\$115.54
Dual Bandpass	VIS-735nm-NIR	M25.5 x 0.5	404-645nm, 725-755nm	250nm, 50nm	#74-565	\$115.54
Dual Bandpass	VIS-735nm-NIR	M30.5 x 0.5	404-645nm, 725-755nm	250nm, 50nm	#74-566	\$124.02
Dual Bandpass	VIS-735nm-NIR	M37 x 0.75	404-645nm, 725-755nm	250nm, 50nm	#74-567	\$144.16
Dual Bandpass	VIS-850nm-NIR	M22.5 x 0.5	404-645nm, 835-875nm	250nm, 50nm	#74-568	\$115.54
Dual Bandpass	VIS-850nm-NIR	M25.5 x 0.5	404-645nm, 835-875nm	250nm, 50nm	#74-572	\$115.54
Dual Bandpass	VIS-850nm-NIR	M30.5 x 0.5	404-645nm, 835-875nm	250nm, 50nm	#74-576	\$124.02
Dual Bandpass	VIS-850nm-NIR	M37 x 0.75	404-645nm, 835-875nm	250nm, 50nm	#74-577	\$144.16
Dual Bandpass	VIS-940nm-NIR	M22.5 x 0.5	405-650nm, 925-965nm	250nm, 50nm	#74-578	\$115.54
Dual Bandpass	VIS-940nm-NIR	M25.5 x 0.5	405-650nm, 925-965nm	250nm, 50nm	#74-583	\$115.54
Dual Bandpass	VIS-940nm-NIR	M30.5 x 0.5	405-650nm, 925-965nm	250nm, 50nm	#74-584	\$124.02
Dual Bandpass	VIS-940nm-NIR	M37 x 0.75	405-650nm, 925-965nm	250nm, 50nm	#74-586	\$144.16
Triple Bandpass	Blue-Green-NIR	M22.5 x 0.5	468-483nm, 543-558nm, 835-865nm	20nm, 20nm, 45nm	#74-589	\$346.62
Triple Bandpass	Blue-Green-NIR	M25.5 x 0.5	468-483nm, 543-558nm, 835-865nm	20nm, 20nm, 45nm	#74-591	\$346.62
Triple Bandpass	Blue-Green-NIR	M30.5 x 0.5	468-483nm, 543-558nm, 835-865nm	20nm, 20nm, 45nm	#74-597	\$386.90
Triple Bandpass	Blue-Green-NIR	M37 x 0.75	468-483nm, 543-558nm, 835-865nm	20nm, 20nm, 45nm	#74-599	\$432.48
Triple Bandpass	Green-Red-NIR	M22.5 x 0.5	543-558nm, 653-668nm, 835-865nm	20nm, 20nm, 45nm	#74-600	\$346.62
Triple Bandpass	Green-Red-NIR	M25.5 x 0.5	543-558nm, 653-668nm, 835-865nm	20nm, 20nm, 45nm	#74-601	\$346.62
Triple Bandpass	Green-Red-NIR	M30.5 x 0.5	543-558nm, 653-668nm, 835-865nm	20nm, 20nm, 45nm	#74-603	\$386.90
Triple Bandpass	Green-Red-NIR	M37 x 0.75	543-558nm, 653-668nm, 835-865nm	20nm, 20nm, 45nm	#74-604	\$432.48

CamUV 200nm UV USB 3.1 Cameras

- Ideal for a Variety of Ultraviolet (UV) Imaging Applications
- 200nm Designed Wavelength
- Phosphor Coated Camera Sensor
- Includes Camera, Cable, and Easy-to-Use Software

CamUV 200nm UV USB 3.1 Cameras are designed with phosphor-based scintillators, allowing the camera to image in the ultraviolet (UV) at wavelengths as low as 200nm. This compact 27 x 27 x 14.5mm CS-mount camera offers a resolution of 1440 x 1080 pixels and a pixel size of 3.45µm, allowing this camera to ensure sharp, high-resolution imaging for even the most detailed applications. CamUV 200nm UV USB 3.1 Cameras ship with the camera, a cable, software on a USB drive, and a quick start guide to facilitate setup. These cameras are an ideal solution for a variety of applications, including UV laser beam profiling, machine vision, general UV detection, and product quality monitoring.



Product shown with optional CS-C mount spacer (#03-618)

Camera Sensor Format	Imaging Sensor	Resolution (MegaPixels)	Pixels (H x V)	Pixel Size, H x V (µm)	Frame Rate (fps)	Type of Shutter	Mount	Type	Stock No.	Price
1/2.5"	Sony IMX296	1.6	1,440 x 1,080	3.45 x 3.45	60	Global	CS-Mount	UV Camera	#73-855	\$4,510.00

Accessories			Type	Stock No.	Price
			1/20 Tripod Adapter	#88-210	\$14.32
			5mm Spacer to convert CS-Mount Cameras to C-Mount	#03-618	\$25.30



- **Output Powers from 0.15 to 5W**
- **Wavelength Options from 405 - 1550nm**
- **Standalone, Air Cooled Benchtop Operation**

Fiber-Coupled Benchtop Laser Systems provide powers up to 5W at the fiber output across the UV, VIS, and NIR spectra from 405 to 1550nm. Featuring an LCD display and control knob to adjust output power and temperature, these lasers are housed in various sized benchtop systems for standalone use. An external trigger can be used to modulate the laser intensity through either a TTL signal, or with analog modulation up to 30kHz. Fiber-Coupled Benchtop Laser Systems are ideal for a range of laboratory, research, and industrial applications such as materials processing or laser pumping. These lasers come with a 0.22 NA, 200µm core, SMA connectorized fiber patch cord for ease of setup and use. Additional 0.22 NA patch cords are available and sold separately here.

<b>Operating Temperature (°C):</b>	+10 to +35	<b>Beam Divergence (NA):</b>	0.22
<b>Fiber Diameter (µm):</b>	200	<b>Type of Laser:</b>	Diode
<b>Weight (kg):</b>	1.8	<b>Connector:</b>	SMA905
<b>Modulation Frequency (kHz):</b>	TTL/Analog with 1Hz-30kHz	<b>Input Voltage (V):</b>	100 - 240 VAC

Wavelength (nm)	Output Power (mW)	Laser Class - CDRH	Dimensions (mm)	Stock No.	Price
405	200	IIIb	210 L x 180 W x 105 H	#71-908	\$5,105.40
405	1000	IV	210 L x 180 W x 105 H	#70-208	\$11,379.20
445	200	IIIb	210 L x 180 W x 105 H	#71-909	\$3,638.55
445	1000	IV	210 L x 180 W x 105 H	#70-210	\$4,229.10
445	2000	IV	210 L x 180 W x 105 H	#70-209	\$5,803.90
532	200	IIIb	210 L x 180 W x 105 H	#71-910	\$5,105.40
532	500	IV	270 L x 210 W x 135 H	#70-211	\$6,540.50
635	200	IIIb	210 L x 180 W x 105 H	#71-911	\$4,660.90
635	500	IV	270 L x 210 W x 135 H	#70-212	\$5,803.90
650	150	IIIb	270 L x 210 W x 135 H	#70-213	\$4,584.70
665	200	IIIb	210 L x 180 W x 105 H	#71-912	\$3,340.10
665	1000	IV	270 L x 210 W x 135 H	#70-214	\$6,540.50
670	400	IV	270 L x 210 W x 135 H	#70-215	\$5,803.90
690	200	IIIb	210 L x 180 W x 105 H	#71-913	\$3,048.00
690	500	IV	270 L x 210 W x 135 H	#70-216	\$4,660.90
730	200	IIIb	210 L x 180 W x 105 H	#71-914	\$6,578.60
730	1000	IV	270 L x 210 W x 135 H	#70-217	\$7,708.90
750	200	IIIb	210 L x 180 W x 105 H	#71-915	\$6,242.05
750	1000	IV	270 L x 210 W x 135 H	#70-218	\$8,407.40
785	200	IIIb	210 L x 180 W x 105 H	#71-916	\$4,038.60
785	1000	IV	270 L x 210 W x 135 H	#70-219	\$5,067.30
808	200	IIIb	210 L x 180 W x 105 H	#71-917	\$3,194.05
808	1000	IV	270 L x 210 W x 135 H	#70-220	\$3,930.65
830	200	IIIb	210 L x 180 W x 105 H	#71-918	\$4,038.60
830	500	IV	270 L x 210 W x 135 H	#70-221	\$5,067.30
860	200	IIIb	210 L x 180 W x 105 H	#71-919	\$5,873.75
860	1000	IV	270 L x 210 W x 135 H	#70-222	\$7,708.90
915	200	IIIb	210 L x 180 W x 105 H	#71-920	\$4,038.60
915	1000	IV	270 L x 210 W x 135 H	#70-223	\$5,067.30
940	200	IIIb	210 L x 180 W x 105 H	#71-921	\$4,038.60
940	1000	IV	270 L x 210 W x 135 H	#70-224	\$5,067.30
975	200	IIIb	210 L x 180 W x 105 H	#71-922	\$4,514.85
975	1000	IV	270 L x 210 W x 135 H	#70-225	\$4,229.10
980	200	IIIb	210 L x 180 W x 105 H	#71-923	\$3,784.60
980	5000	IV	270 L x 210 W x 135 H	#70-226	\$5,803.90
1064	200	IIIb	210 L x 180 W x 105 H	#71-924	\$3,930.65
1064	1000	IV	270 L x 210 W x 135 H	#70-228	\$5,067.30
1064	3000	IV	270 L x 210 W x 135 H	#70-227	\$6,540.50
1320	400	IV	270 L x 210 W x 135 H	#70-229	\$9,550.40
1450	200	IIIb	210 L x 180 W x 105 H	#71-925	\$5,873.75
1450	500	IV	270 L x 210 W x 135 H	#70-230	\$7,340.60
1550	200	IIIb	210 L x 180 W x 105 H	#71-926	\$4,775.20
1550	500	IV	270 L x 210 W x 135 H	#70-231	\$5,359.40



- Ideal for Broad Spectral Laser Scanning Applications
- Diffraction Limited Across the Scan Field with Low Wavefront Error
- Long Working Distance and Large Scan Area

Color Corrected F-Theta Lenses are designed for use with material processing lasers that typically have relatively large chromatic bandwidths. Similar to an achromatic lens, these F-theta lenses ensure that each wavelength across a given broadband range is focused on the same focal plane and maintains the same scanning geometry, as opposed to a standard monochromatic F-theta lens. When used with galvanometers, beam expanders, and laser sources, these lenses provide flat fields at the image plane of scanning systems. Color Corrected F-Theta Lenses are ideal for a range of material processing and medical applications such as laser cutting, welding, drilling, confocal microscopy, and ophthalmology.



Wavelength Range (nm)	FL (mm)	Scan Field (mm)	Scan Angle (°)	WD (mm)	Input Beam Diameter, 1/e <sup>2</sup> (mm)	Focus Size Diameter, 1/e <sup>2</sup> (μm)	Stock No.	Price
1000 - 1060	163.00	80x80	20	185.00 @ 1030nm (with cover glass)	14	22	#26-809	\$5,247.00

Coherent® OBIS XT Laser Systems

- Compact, Thermally Efficient Design for Ease of Life Science System Integration
- 320, 349, and 640nm Wavelength Options Available
- Integrated Controller with RS-232, RS-485, and USB Interfaces

Coherent® OBIS XT Laser Systems offer an advanced extension of the OBIS LS/LX, delivering powerful performance across ultraviolet and visible wavelengths. These lasers are available in UV wavelengths of 320 and 349nm, with output power options ranging from 20 to 150mW, and a higher-power 640nm wavelength option with output powers of 400 or 500mW. Flexible communication interfaces, including RS-232, RS-485, and USB, allow for seamless integration and real-time control in complex applications. Coherent OBIS XT Laser Systems are designed to simplify system integration, utilizing their compact form factor, integrated controller, as well as a low thermal output. This reduces the need for external cooling and streamlines OEM and end-user implementation. OBIS XT lasers are ideal for a wide range of applications, including life sciences, biomedical, flow cytometry, DNA Sequencing, and fluorescence microscopy.



<b>Polarization:</b>	100:1	<b>RMS Noise:</b>	≤0.25% (20Hz to 20MHz)
<b>Spatial Mode:</b>	TEM <sub>00</sub>	<b>Beam Diameter (mm):</b>	0.7
<b>Mode Quality, M<sup>2</sup>:</b>	≤1.1	<b>Beam Diameter Tolerance (mm):</b>	±0.05
<b>Warm-Up Time (minutes):</b>	<5	<b>Weight (g):</b>	450
<b>Pointing Stability (μrad/°C):</b>	<5	<b>Operating Temperature (°C):</b>	+10 to +35
<b>Pointing Stability (μrad):</b>	<30	<b>Type of Laser:</b>	Diode Pumped Solid State

Wavelength (nm)	Output Power (mW)	Output Type	Laser Class - CDRH	Dimensions (mm)	Stock No.	Price
320	20	Free Space	IIIb	125.0 x 70.0 x 36.5	#75-316	\$29,960.00
320	40	Free Space	IIIb	125.0 x 70.0 x 36.5	#75-317	\$34,240.00
349	20	Free Space	IIIb	125.0 x 70.0 x 36.5	#75-319	\$24,610.00
349	60	Free Space	IIIb	125.0 x 70.0 x 36.5	#75-320	\$33,170.00
349	100	Free Space	IIIb	125.0 x 70.0 x 36.5	#75-321	\$40,660.00
349	150	Free Space	IV	125.0 x 70.0 x 36.5	#75-322	\$44,940.00
640	400	Free Space	IV	125.0 x 70.0 x 36.5	#75-323	\$17,120.00
640	500	Free Space	IV	125.0 x 70.0 x 36.5	#75-324	\$19,795.00

Accessories		
Type	Stock No.	Price
OBIS XT Heatsink	#75-328	\$425.00
OBIS XT 12VDC, 65W Power Supply	#75-326	\$200.00
OBIS XT Single Laser Remote with Power Cable	#75-329	\$600.00



- **Compact Spectrometers for Small Space Solutions and Easy Integration**
- **Experience Fast, Reliable Results with Solutions Designed for Rapid Testing**
- **UV, VIS, and NIR Models Available**

Ocean Optics ST Microspectrometers offer high-performance spectral analysis in a compact, lightweight design—perfect for space-constrained setups and OEM device integration. These miniature spectrometers feature excellent spectral response, high-speed acquisition, and high signal-to-noise ratio. Models are available for the UV, VIS, and NIR ranges and support real-time measurements in applications such as plasma monitoring, DNA absorbance, fluorescence detection, and color quality control. The Ocean Optics ST Microspectrometers include the user-friendly OceanView software system to optimize spectrometer performance, ease system integration, and access data for analysis.

<b>Operating Temperature (°C):</b>	0 to +55	<b>Integration Time:</b>	3.8 ms – 6 s
<b>Slit Width (µm):</b>	25	<b>Mounting Threads:</b>	(2) M2 x 0.4
<b>Weight (kg):</b>	0.0704	<b>Computer Interface:</b>	USB, RS-232
<b>Type of Sensor:</b>	CCD	<b>Input Port Termination:</b>	SMA 905
<b>Spectral Resolution (nm):</b>	2.2	<b>Optical Bench:</b>	Cross Czerny Turner
<b>Software:</b>	OceanDirect & OceanView	<b>Thermal Drift:</b>	0.05 Pixel/°C
<b>Dimensions (mm):</b>	42.1 x 40.3 x 26.6		

Wavelength Range (nm)	Grating	Stock No.	Price
185 - 650	Ruled Diffraction Grating: 600 Grooves/mm, Blazed @ 250nm	#90-015	\$1,815.00
350 - 810	Ruled Diffraction Grating: 600 Grooves/mm, Blazed @ 500nm	#90-016	\$1,735.00
645 - 1085	Ruled Diffraction Grating: 600 Grooves/mm, Blazed @ 1000nm	#90-014	\$1,815.00

Ocean Optics SR Versatile Spectrometers



- **Compact Design and Powerful Performance**
- **Broad Wavelength Range Options Spanning 180 - 1040nm**
- **Three Models Available for a Diverse Range of Applications**

Ocean Optics SR Versatile Spectrometers are available in S2, S4, and S6 models, each of which offers high performance and broad spectral coverage to suit a diverse set of applications. SR2 spectrometers are optimized for fast spectral acquisition and high signal-to-noise ratio (SNR), making them ideal for applications such as laser characterization, plasma monitoring, and absorbance concentration. The SR4 spectrometers present superior thermal wavelength stability, low-noise CCD detection, and consistent high signal-to-noise performance, perfect for plasma monitoring and reflection measurements. High-sensitivity SR6 models provide exceptional SNR and UV response, supporting applications such as UV absorbance, fluorescence, and plasma diagnostics. The Ocean Optics SR Versatile Spectrometers include the user-friendly OceanView software system to optimize spectrometer performance, ease system integration, and access data for analysis.

<b>Operating Temperature (°C):</b>	0 to +55	<b>Mounting Threads:</b>	(3) 4-40
<b>Slit Width (µm):</b>	25	<b>Computer Interface:</b>	USB, RS-232
<b>Weight (kg):</b>	0.275	<b>Input Port Termination:</b>	SMA 905
<b>Type of Sensor:</b>	CCD	<b>Optical Bench:</b>	Cross Czerny Turner
<b>Dimensions (mm):</b>	88.1 x 63.5 x 31.45		

Wavelength Range (nm)	Spectral Resolution (nm)	Integration Time	Signal to Noise S/N Ratio	Stock No.	Price
180 - 900	1.65	7.2 ms – 5 s	Single Scan @ 10 ms: 400:1 Max per second with High Speed Averaging Mode: 3500:1	#90-022	\$5,145.00
180 - 900	1.33	1 µs – 2 s	Single Scan @ 10 ms: 380:1 Max per second with High Speed Averaging Mode: 25,800:1	#90-018	\$3,675.00
190 - 910	1.65	3.8 ms – 2 s	Single Scan @ 10 ms: 250:1 Max per second with High Speed Averaging Mode: 3000:1	#90-020	\$4,200.00
350 - 1040	1.33	1 µs – 2 s	Single Scan @ 10 ms: 380:1 Max per second with High Speed Averaging Mode: 25,800:1	#90-019	\$3,675.00
350 - 1040	1.65	3.8 ms – 2 s	Single Scan @ 10 ms: 250:1 Max per second with High Speed Averaging Mode: 3000:1	#90-021	\$4,200.00
350 - 1040	1.65	7.2 ms – 5 s	Single Scan @ 10 ms: 400:1 Max per second with High Speed Averaging Mode: 3500:1	#90-023	\$5,145.00
570 - 860	0.84	1 µs – 2 s	Single Scan @ 10 ms: 380:1 Max per second with High Speed Averaging Mode: 25,800:1	#90-017	\$3,675.00

- **Smartphone Compatible Portable Thermal Imagers**
- **-20 to 120°C or -20 to 400°C Temperature Ranges**
- **80 x 60 or 160 x 120 IR Resolution**
- **iOS or Android Options Available**

FLIR ONE Series Mobile Thermal Imagers are designed to offer affordable, portable thermal imaging for everyday users, ranging from homeowners to light professionals for a wide range of thermal detection applications. Compatible with most iOS and Android phones, these compact and lightweight thermal imaging devices are designed for handheld use and offer quick, intuitive setup, and controls. The FLIR ONE Edge is a compact, entry-level thermal camera with 80 x 60 resolution, designed for simple, on-the-go thermal imaging, with a -20 to 120°C measurable temperature range. The FLIR ONE Pro offers upgraded features, including a 160 x 120 resolution, a measurable temperature range of -20 to 400°C, and advanced wireless connectivity via Bluetooth. The FLIR ONE Edge Pro features the same upgraded features as the FLIR ONE Pro but delivers increased thermal image detail by maximizing the typical percent difference between ambient and scene temperatures. These thermal imagers are ideal for homeowners, electricians, and contractors on the go.



<b>Connector:</b>	Female USB-C (5V/1A)
<b>Spectral Range:</b>	8 – 14 μm
<b>Frame Rate:</b>	8.7 Hz
<b>Sensitivity (W<sup>2</sup>):</b>	70 mK
<b>Measurement Correction:</b>	Emissivity; matte/semi-matte/semi-gloss; Reflected apparent temperature (22°C / 72°F)

<b>Measurement Tools:</b>	Hottest, Coldest and 3 spot measurement
<b>Color:</b>	Gray (white hot), Hottest, Coldest, Iron, Contrast, Arctic, Lava and Color Wheel
<b>Emissivity:</b>	Matte: 95%, Semi-Matte: 80%, Semi-Glossy: 60%, Glossy: 30%

Type	Resolution	Standard Measurement Temperature (°C)	Mount	Stock No.	Price
FLIR ONE Edge Thermal Imaging Camera	80 x 60 (4,800 pixels)	-20°C to 120°C (-4°F to 248°F)	Wireless connection up to 5 meters, or mounts directly to most iOS or Android phone case designs.	#75-089	\$350.00
FLIR ONE Edge Pro Thermal Imaging Camera	160 x 120 (19,200 pixels)	-20°C – 120°C (-4°F – 248°F) and 0°C – 400°C (32°F – 752°F)	Wireless connection up to 5 meters, or mounts directly to most iOS or Android phone case designs.	#75-090	\$509.00
FLIR ONE Pro Thermal Camera for iOS Lightning	160 x 120 (19,200 pixels)	-20°C – 120°C (-4°F – 248°F) and 0°C – 400°C (32°F – 752°F)	Mounts directly to most iOS Lightning phone case designs.	#75-092	\$409.00
FLIR ONE Pro Thermal Camera for Android USB-C Phones	160 x 120 (19,200 pixels)	-20°C – 120°C (-4°F – 248°F) and 0°C – 400°C (32°F – 752°F)	Mounts directly to most Android USB-C phone case designs.	#75-094	\$450.00

Mitutoyo WLI Plan APO Infinity Corrected Objectives

- **Ideal for Interferometry Applications**
- **Long Working Distances and High Numerical Apertures**
- **High-Quality Plan Apochromatic Design**

Mitutoyo WLI Plan APO Infinity Corrected Objectives are high-resolution plan apochromatic objectives featuring high numerical apertures designed for use in white light interferometry applications. These objectives ensure long parfocal working distances of 60mm while maintaining a more compact and lightweight design. Each objective incorporates an interference fringe adjustment mechanism and internal beam splitter for precise measurements and control of the interference fringe pattern. Mitutoyo WLI Plan APO Infinity Corrected Objectives are available with magnifications ranging from 2.5 – 50x and are designed for use with 100mm focal length tube lenses or the Mitutoyo VMU-S (#90-684, sold separately). These objectives are ideal for white light interferometry applications such as Vertical Scanning Interferometry (VSI), 3D Surface Profiling, Dispersion & Reflection Measurement, and Medical Imaging.



<b>Maximum Sensor Format:</b>	2/3"
<b>Mounting Threads:</b>	RMS/20.32mm x 36 TPI
<b>Field Number (mm):</b>	11.00

<b>Parfocal Length (mm):</b>	60.00
<b>Note:</b>	Designed to be used with a 100mm Tube Lens or the VMU-S (#90-684, sold separately)

Model Number	Magnification	NA	FL (mm)	WD (mm)	Maximum Diameter (mm)	Length (mm)	Stock No.	Price
378-400	2.5X	0.14	40	13.0	58.5	47	#74-656	\$8,750.00
378-005	5X	0.28	20	8.0	40.0	52	#74-655	\$6,675.00
378-401	10X	0.38	10	6.0	40.0	54	#74-657	\$8,550.00
378-402	25X	0.50	4	3.6	40.0	57	#74-659	\$8,950.00
378-403	50X	0.70	2	2.0	40.0	58	#74-660	\$11,050.00

Wherever you are, whenever you need us,  
**WE'RE HERE FOR YOU**



**NEW**

**24/7 Global Product &  
Application Chat Support**

An Industry First



**Over 40 of  
the BEST BRANDS**  
In the Industry



**Same Day Shipping**  
With Over 3 Million  
Items in Global Inventory



Over 34,000 Standard  
Products From  
**Our Global Sourcing and  
Global Manufacturing**



PRSRT STD  
US POSTAGE  
PAID

EDMUND OPTICS, INC

At **EDMUND OPTICS®**  
we do what is **BEST**  
for the customer.

We have locations in **12 countries, 9 factories, 10 global distribution centers, 4 world class imaging centers, and over 1,250 employees.** With global locations, local support, and product availability, Edmund Optics® is here to help. Contact one of our in-region engineers, who have a wide range of customer and application experience to solve your unique application needs.

Our team is passionate, dedicated, and committed to helping solve customer challenges.

**1.800.363.1992**

**[www.edmundoptics.com/new](http://www.edmundoptics.com/new)**



**Edmund  
optics** | worldwide  
101 E. Gloucester Pike | P.O. Box 9000 | Barrington, NJ 08007 USA

◆ REFERENCE  
NUMBER

◆ CUSTOMER  
NUMBER