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Photometrics Prime BSI Express, USB 3.2 Camera, 1T-01-PRIME-BSI-EXP



Stock #90-390 NEW 1 In Stock

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1

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 ₹13,05,000

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Product Downloads

Monochrome	Spectrum:
General	
Monochrome Camera	Type:
1T-01-PRIME-BSI-EXP	Model Number:
Teledyne Photometrics	Manufacturer:

Prime BSI Express	Camera Series:
	Note:
Includes: USB 3.2 Gen 2 Cables USB 3.2 Gen 2 Interface Card 12V/ 5A power supply with international power cord set (2) Single-line MMCX trigger cables USB memory device containing PVM library and drivers Quick Installation Guide	
Physical & Mechanical Properties	
78 x 78 x 88	Dimensions (mm):
760	Weight (g):
Full	Housing:
Optical Properties	
200 - 1100	Wavelength Range (nm):
Sensor	
1.2"	Sensor Format:
4.20	Resolution (Megapixels):
95.00	Frame Rate (fps):
2,048 x 2,048	Pixels (H x V):
13.31 x 13.31	Sensing Area, H x V (mm):
GPixel Gsense 2020BSI	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Rolling	Shutter Type:
11, 12, 16 bit	Pixel Depth:
6µs- 10s	Exposure Time:
89	Dynamic Range (dB):
Hardware & Interface Connectivity	
USB 3.2 Gen 2	Connector:
Power over GPIO with #90-399	Power Supply:
1 configurable input, 3 configurable outputs	GPIOs:
Hardware Trigger (GPIO) or Software Trigger	Synchronization:
Back Panel	Interface Port Orientation:
BNC	GPIO Connector Type:
Threading & Mounting	
C-Mount	Mount:
(1) ¼–20 thread per side	Mounting Threads:
Environmental & Durability Factors	
0 to 30	Operating Temperature (°C):
–20 to 60	Storage Temperature (°C):
Regulatory Compliance	
Exempt	RoHS 2015:

View	Certificate of Conformance:
Contains SVHC(s)	Reach 247:
Canada	Country of Origin:
Edmund Optics India Private Limited	Imported By:

Product Details

- Highly Sensitive Back-Illuminated sCMOS for Scientific Applications
- 95% QE and Ultra-Low 1.0 e⁻ Read Noise
- 95 fps Over USB 3.2
- Scientific Cameras for High Sensitivity Microscopy Applications



Teledyne Photometrics Prime BSI Express USB 3.2 Cameras feature a highly sensitive back-illuminated sCMOS sensor. This sensor provides a 95% peak quantum efficiency and ultra-low 1.0 e⁻ median read noise, delivering a high signal-to-noise ratio and outstanding performance in low-light imaging conditions. These cameras are designed to achieve up to 95 frames per second using a USB 3.2 interface, enabling high-speed imaging and fast data transfer. Teledyne Photometrics Prime BSI Express USB 3.2 Cameras are ideal for fluorescence, calcium imaging, and live-cell microscopy. These cameras include Teledyne's proprietary-designed software platforms, Beacon and PIVCAM, for optimizing camera performance and ease of system integration.