

SX800 Specifications

Lens	
Model name	SX800
Optical zoom	40x
Digital zoom	1.25x
Focal length	20mm – 800mm
Maximum aperture ratio	1:4.0 (20mm); 1:7.4 (800mm)
Minimum object distance (M.O.D) from the front lens	10m (20 – 400mm in focal length) 20m (401 – 800mm in focal length)
Angle of view	20mm 21.0° x 11.8°
[16:9 (H x V)]	800mm 0.55° x 0.31°
Camera	
Effective sensor size	1/1.8 (Pixel pitch: 3.91µm)
Minimum illumination	Color: 0.00015lux (at F1.2) / 0.0017lux (at F4.0) B/W: 0.0001ux (at F1.2) / 0.0011lux (at F4.0)
Focus settings	Continuous AF, Quick AF, Manual
Iris	Auto, Manual (Aperture range : F4 – F16)
Shutter	Rolling shutter
Shutter speed	Auto (with minimum speed selection of 1/8 – 1/125s), Manual (1 – 1/20,000s)
Gain	Manual, AGC, HYPER-AGC (Setting range: ISO400 – 819200)
Optical filter	Visible Light Cut filter (ON / OFF)
Day / Night selection	Auto, Manual
Wavelengths selection	950nm, 940nm, 850nm, 808nm, Visible light
Image stabilization	Auto, OIS, EIS, OFF
Wide dynamic range	Selectable (2 levels)
Back light correction	Selectable (2 levels)
Heat haze reduction	Selectable (3 levels)
Fog reduction	Selectable (3 levels)
Noise reduction	Selectable (3 levels)
Brightness	Selectable (21 levels)
Contrast	Selectable (5 levels)
Saturation	Selectable (5 levels)
Sharpness	Selectable (5 levels)
White balance	Auto, Custom 1 – 2, Fine, Shade, Color Temperature (3000K, 5000K, 9000K)
Video output systems	NTSC, PAL
Video format	NTSC: 1080p, 720p, 480p/PAL: 1080p, 720p, 576p
Video output systems	HDMI, HD-SDI, Composite(BNC)
Audio input / output	Input impedance: 40kΩ Output impedance: 200Ω
External interfaces	Ethernet(10Base-T, 100Base-TX, RJ45 connector), RS-485, External trigger (Day / Night)
Recording format	File recording format : MOV Compression format : H.264 compliant Audio recording format : Linear PCM stereo (48kHz sampling)
Compression ratio	16:9 Full HD : High quality : 18, Standard quality : 15, Low quality 1.5 (Mbps) 16:9 HD : High quality : 18, Standard quality : 15, Low quality 1.5 (Mbps) 4:3 VGA : High quality : 7, Standard quality : 6, Low quality 1.5 (Mbps)
RS-485 compatible protocol	Pelco-D / Pelco-P (including extended commands)
Power source	DC12V
Power consumption	9.5W
Supported SD card (SDHC/SDXC)	UHS-1-compatible 8GB+ SD Speed Class 10 or above
Network	
Network protocols	ICMP, ARP, TCP/IP, UDP/IP, HTTP, HTTPS, FTP, SMTP, DHCP, DNS, NTP, SSL/TLS
Supported OS	Windows 7/10
Supported browser	Chrome71+, IE11
ONVIF support	Yes (Profile S)
Maximum number of connections	13 (simultaneously connected users)
Miscellaneous	
Size (H x W x L)	139mm x 156mm x 410mm
Weight	6.4kg
Filter thread size	M112 x 1mm
Operating environment	Temperature : -10°C - +50°C Humidity: 10% – 80% (no condensation)
Tilt limit	45 degrees upward – 45 degrees downward

* The product's design, specifications and exterior appearance are subject to change without notice.

