

IP THERMAL BULLET CAMERA



ENC-STBFF-00R-33

FEATURES

384x288 Uncooled VOx Micro Bolometer detector

Sensitivity ≤ 40 mK

15 mm (Optional 9/25/35/50 mm) Fixed Thermal Lens

Area / Spot / Line Temperature Measurement Rule Support

17 Color Patterns Support

Built-in Mic

Built-in Speaker

IP67



SPECIFICATION

MODEL	Model No.	ENC-STBFF-00R-33
	Type	IP THERMAL BULLET CAMERA
THERMAL CAMERA	Detector Type	Uncooled VOx Micro Bolometer
	Effective Pixels	384x288 and Image can be scaled up to 1280x720
	Pixel Size	17 μ m
	Thermal Sensitivity	≤ 40 mK
	Spectral Range	8 ~ 14 μ m
	Image Settings	Brightness, Sharpness, Contrast, 2D/3D DNR, Mirror/Flip, FFC
	Color Patterns	White & Black Hot, Ironbow, Rainbow etc. up to 17 modes
	Iris	Fixed IRIS
THERMAL LENS	Lens	Fixed
	Focus Control	Fixed Focus
	Digital Zoom	16x
	Focal Length	15 mm (Optional 9/25/35/50 mm)
	F No	F1.0
	Angle of View	9 mm: 37.0°(H), 28.0°(V), 46.4°(D) 15 mm: 28.0°(H), 21.0°(V), 35.0°(D) 25 mm: 14.0°(H), 11.0°(V), 17.8°(D) 35 mm: 10.0°(H), 8.0°(V), 12.8°(D) 50 mm: 7.4°(H), 5.6°(V), 9.2°(D)
	Detection	9 mm: Human(1.8m×0.5m) - 265 m, Vehicle(4.0m×1.5m) - 812 m 15 mm: Human(1.8m×0.5m) - 441 m, Vehicle(4.0m×1.5m) - 1353 m 25 mm: Human(1.8m×0.5m) - 735 m, Vehicle(4.0m×1.5m) - 2255 m 35 mm: Human(1.8m×0.5m) - 1029 m, Vehicle(4.0m×1.5m) - 3157 m 50 mm: Human(1.8m×0.5m) - 1471 m, Vehicle(4.0m×1.5m) - 4510 m
	Recognition	9 mm: Human(1.8m×0.5m) - 66 m, Vehicle(4.0m×1.5m) - 203 m 15 mm: Human(1.8m×0.5m) - 110 m, Vehicle(4.0m×1.5m) - 338 m 25 mm: Human(1.8m×0.5m) - 184 m, Vehicle(4.0m×1.5m) - 564 m 35 mm: Human(1.8m×0.5m) - 257 m, Vehicle(4.0m×1.5m) - 789 m 50 mm: Human(1.8m×0.5m) - 368 m, Vehicle(4.0m×1.5m) - 1127 m
	Identification	9 mm: Human(1.8m×0.5m) - 33 m, Vehicle(4.0m×1.5m) - 101 m 15 mm: Human(1.8m×0.5m) - 55 m, Vehicle(4.0m×1.5m) - 169 m 25 mm: Human(1.8m×0.5m) - 92 m, Vehicle(4.0m×1.5m) - 282 m 35 mm: Human(1.8m×0.5m) - 129 m, Vehicle(4.0m×1.5m) - 395 m 50 mm: Human(1.8m×0.5m) - 184 m, Vehicle(4.0m×1.5m) - 564 m
	Fire Detection	9 mm: Fire(0.2m×0.2m) - 53 m, Fire(1.0m×1.0m) - 265 m 15 mm: Fire(0.2m×0.2m) - 88 m, Fire(1.0m×1.0m) - 441 m 25 mm: Fire(0.2m×0.2m) - 147 m, Fire(1.0m×1.0m) - 735 m 35 mm: Fire(0.2m×0.2m) - 206 m, Fire(1.0m×1.0m) - 1029 m 50 mm: Fire(0.2m×0.2m) - 294 m, Fire(1.0m×1.0m) - 1471 m

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MODEL	Model No.	ENC-STBFF-00R-33
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VIDEO	Video Compression	Enhanced (H.265, H.264), H.265, H.264, MJPEG
	Frame Rate	Main Stream: (1280x720, 704x576, 384x288) @ 25fps Sub Stream: (704x576, 384x288, 352x240) @ 25fps
	Stream Settings	i-Frame, PAL, Frame Rate
	Bitrate Control	CBR, VBR
	Bit Rate	100 kbps ~ 8 Mbps
	OSD	Up to 8 regions
	OSD Type	Title, Week, Date, Time, Text with different colors and adaptable sizes (Small / Medium / Big), Image overlay
	ROI	Up to 8 regions
	Privacy Mask	Up to 4 regions
AUDIO	Audio Compression	G.711A, G.711U, RAW_PCM
	Audio Bitrate	64 kbps, 128 kbps
	Audio I/O	1/1
	Built-in Mic	Supported
	Built-in Speaker	Supported
SMART	Behavior Detection	Intrusion (Perimeter), Crossline (Tripwire), Double Crossline (Double Tripwire)
	Intelligent Identification	Loitering, Region Entry / Exit Detection, Flame Point Detection, Smoker Detection
	Statistical Analysis	People Counting, Wrong Way Detection, Human and Vehicle Detection, Temperature Detection
	Alarm Management	Motion Detection, Input & Output Event, Network Alarm, Temperature Alarm, Disk Alarm, Pre/Post Alarm Recording, Alarm Recording/Snapshot
	Alarm Notification	E-mail (Notification & Snapshot), HTTP (Alarm icon), FTP (Snapshot & Recording), SD Card (Recording)
TEMPERATURE	Detection Mode	Area, Spot, Line (Total 20 Rules - 1 Full Screen and 19 others)
	Alarm	Over / Difference Temperature Alarm
	Accuracy	±2°C / ±2%
	Response Time	≤30ms
	Measurement Range	-20°C ~ 150°C (-4°F ~ 302°F) (Optional 0°C ~ 550°C (32°F ~ 1022°F))
INTERFACE	Protocols	TCP/IP, UDP, IPv4, IPv6, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP/RTCP, RTSP, PPPoE, NTP, UPnP, SMTP (SSL/TLS), SNMP, IGMP, 802.1x, QoS, Unicast, Multicast, SNMP, ARP
	Security	AES 128/256 Video Encryption, IP Filter, User Authentication (Multiple Privilege Level), HTTPS Authentication, Digest Authentication, User Access Log, TLS Video Encryption, 802.1X Authentication
	Compatibility	ONVIF Profile (S, G, T, M), CGI/SDK
	Network	1x RJ45 10M/100M Self Adaptive Ethernet Port
	Alarm I/O	2/2
	Serial Interface	1xRS485
	Edge Storage	Micro SD Card Slot, up to 1 TB
	ANR	Supported
	Cable Interface	Pig Tail
	Remote Connection	≤10
	Max. User	32
	Web Language	15
	Client Application	EyeGuard
GENERAL	Power Supply	12V DC / 24 AC, PoE (IEEE 802.3af)
	Max. Power consumption	≤4.5 W
	Working Temperature	-40 °C ~ 65 °C
	Working Humidity	≤95% RH
	Casing	Metal
	Ingress Protection	IP67
	Vandal Resistant	IK10 (Housing)
	Surge Protection	TVS4000V
	Reset Button	Supported
	Dimensions	Φ120.5 × 315.9 ~ 352.6 mm
	Weight	1.6 kg

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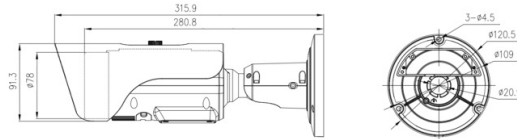
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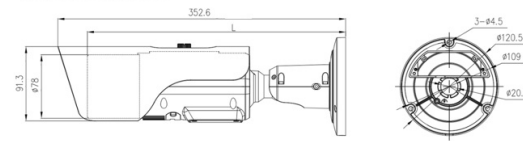
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Dimension Unit : mm

F9/F15 mm Lens



F25/F35/F50 mm Lens



F50 L = 316.5 mm
F35 L = 305.3 mm
F25 L = 269.8 mm

ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENC-STBFF-00R-33 (With 9 mm Fixed Thermal Lens and -20°C ~ 150°C Measurement Range)	IP Temperature Detection Thermal Bullet Camera with 384x288 Thermal Resolution 9 mm Fixed Thermal Lens, PoE and SD Card Slot Support	1
ENC-STBFF-00R-33 (With 15 mm Fixed Thermal Lens and -20°C ~ 150°C Measurement Range)	IP Temperature Detection Thermal Bullet Camera with 384x288 Thermal Resolution 15 mm Fixed Thermal Lens, PoE and SD Card Slot Support	1
ENC-STBFF-00R-33 (With 25 mm Fixed Thermal Lens and -20°C ~ 150°C Measurement Range)	IP Temperature Detection Thermal Bullet Camera with 384x288 Thermal Resolution 25 mm Fixed Thermal Lens, PoE and SD Card Slot Support	1
ENC-STBFF-00R-33 (With 35 mm Fixed Thermal Lens and -20°C ~ 150°C Measurement Range)	IP Temperature Detection Thermal Bullet Camera with 384x288 Thermal Resolution 35 mm Fixed Thermal Lens, PoE and SD Card Slot Support	1
ENC-STBFF-00R-33 (With 50 mm Fixed Thermal Lens and -20°C ~ 150°C Measurement Range)	IP Temperature Detection Thermal Bullet Camera with 384x288 Thermal Resolution 50 mm Fixed Thermal Lens, PoE and SD Card Slot Support	1
ENC-STBFF-00R-33 (With 9 mm Fixed Thermal Lens and 0°C ~ 550°C Measurement Range)	IP Temperature Detection Thermal Bullet Camera with 384x288 Thermal Resolution 9 mm Fixed Thermal Lens, PoE and SD Card Slot Support	1
ENC-STBFF-00R-33 (With 15 mm Fixed Thermal Lens and 0°C ~ 550°C Measurement Range)	IP Temperature Detection Thermal Bullet Camera with 384x288 Thermal Resolution 15 mm Fixed Thermal Lens, PoE and SD Card Slot Support	1
ENC-STBFF-00R-33 (With 25 mm Fixed Thermal Lens and 0°C ~ 550°C Measurement Range)	IP Temperature Detection Thermal Bullet Camera with 384x288 Thermal Resolution 25 mm Fixed Thermal Lens, PoE and SD Card Slot Support	1
ENC-STBFF-00R-33 (With 35 mm Fixed Thermal Lens and 0°C ~ 550°C Measurement Range)	IP Temperature Detection Thermal Bullet Camera with 384x288 Thermal Resolution 35 mm Fixed Thermal Lens, PoE and SD Card Slot Support	1
ENC-STBFF-00R-33 (With 50 mm Fixed Thermal Lens and 0°C ~ 550°C Measurement Range)	IP Temperature Detection Thermal Bullet Camera with 384x288 Thermal Resolution 50 mm Fixed Thermal Lens, PoE and SD Card Slot Support	1
ENB-BCUV65	Pole Mount Bracket for Norden Thermal Bullet Camera	1
ENB-BCUJ67	Junction Box for Norden Thermal Bullet Camera	1
ENB-BCUH67	Corner Mount Bracket for Norden Thermal Bullet Camera	1

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PACKING INFORMATION

Part Number	Packing Mode	Gross weight(Kg)	Dimension(mm)
ENC-STBFF-00R-33	Carton Box	-	-