

2MP IR Bullet Camera with 3.6mm Lens









SATATYA CIBR20FL36CWS

2MP IR Bullet Camera with 3.6mm Lens

Matrix Project Series IP Cameras are built using superior components such as Sony STARVIS sensor and higher MTF lens to offer unmatched image quality especially during the low light conditions. Powered by True WDR algorithm, these cameras offer consistent image quality even in highly varying lighting conditions. Built in intelligent analytics including Intrusion Detection, Trip Wire, etc. ensure real-time security. Moreover, H.265 compression and Automatic Motion based Frame Rate Reduction save bandwidth and storage up to 50%.

USP



SONY STARVIS SENSOR



H.265



IVA



HIGHER FIELD **OF VIEW**



SMART STREAMING



ADAPTIVE STREAMING



TRUE WDR



NAS

CERTIFICATION





Ample Trails









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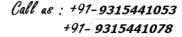


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IMAGE SENSOR 2 MP (1920 x 1080) 1/2.8" SONY - CIMOS 2MP Active Pixel Progressive Scan, Back Illuminated Image sensor (EXMOR Technology - STARVIS Series) ENST ENST	TECHNICAL SPECIFICATIONS		
1/2.8" SONY - CMOS 2MP Active Pixel Progressive Scan, Back Illuminated Image sensor (EXMOR Technology - STARVIS Series)	IMAGE SENSOR		
Sensor Type and Size (EXMOR Technology - STARVIS Series) LENS Colour - 0.01 Lux @F1.2 (AGC ON) Minimum Illumination	Resolution	2 MP (1920 x 1080)	
EXMOR Technology - STARVIS Series		1/2.8" SONY - CMOS 2MP Active Pixel	
LENS Colour - 0.01 Lux @F1.2 (AGC ON) Minimum Illumination Monochrome - 0 Lux Focal Length 3.6mm Focus Range 0.3m to infinity HFOV - 90° VFOV - 47° Field of View (FOV) DFOV - 110° Lens Mount M12 Focus Fixed focus Aperture (F#) F 1.2 Iris Type Fixed IR Range 50m IR Led Wavelength 850mm IR Switching Auto/ Manual HARDWARE SPECIFICATIONS SD Card Up to 512GB Camera Adjustment Angle Pan: 0° to 180° Tilt: 0° to 180° Rotation: 0° to 360° IMAGE AND VIDEO No of Stream Profiles 4 Profile 1: 1080p(2MP)/720p/D1/2CIF/CIF/QCIF up to 30 fps (H.265/H.264) Profile 2: D1/2CIF/CIF/QCIF up to 30 fps (H.265/H.264) Profile 3: 1080p(2MP)/720p/D1/2CIF/CIF/QCIF up to 5 fps (MJPEG) Stream Profiles 1920 x 1080 Available Resolution 1920 x 1080 Bitrate 128 kbps-8Mbps Bitrate 128 kbps-8Mbps Bitrate 128 kbps-8Mbps		Progressive Scan, Back Illuminated Image sensor	
Colour - 0.01 Lux @F1.2 (AGC ON)	Sensor Type and Size	(EXMOR Technology - STARVIS Series)	
Minimum Illumination Monochrome - 0 Lux Focal Length 3.6mm Focus Range 0.3m to infinity HFOV - 90° VFOV - 47° Field of View (FOV) DFOV - 110° Lens Mount M12 Focus Fixed focus Aperture (F#) F 1.2 Iris Type Fixed IR Range 50m IR Led Wavelength 850nm IR Switching Auto/ Manual HARDWARE SPECIFICATIONS SD Card Up to 512GB Camera Adjustment Angle Pan: 0° to 180° Rotation: 0° to 360° Tilt: 0° to 180° Rotation: 0° to 360° Profile 1: 1080p(2MP)/720p/D1/2CIF/CIF/QCIF up to 30 fps (H.265/H.264) Profile 2: D1/2CIF/CIF/QCIF up to 30 fps (H.265/H.264) Profile 2: D1/2CIF/CIF/QCIF up to 30 fps (H.265/H.264) Profile 3: 1080p(2MP)/720p/D1/2CIF/CIF/QCIF up to 5 fps (MJPEG) Profile 4: 720p/D1/2CIF/CIF/QCIF up to 30 fps (H.265/H.264/MJPEG) Stream Profiles 1920 x 1080, 720p, D1, 2CIF, CIF, QCIF Max Resolution 1920 x 1080, 720p, D1, 2CIF, CIF, QCIF Bitrate 128 kbps-8Mbps	LENS		
Focal Length 3.6mm		·	
Focus Range 0.3m to infinity HFOV - 90° VFOV - 47° Field of View (FOV) DFOV - 110° Lens Mount M12 Focus Fixed focus Aperture (F#) F 1.2 Iris Type Fixed IR Range SOm IR Led Wavelength 850nm IR Switching Auto/ Manual HARDWARE SPECIFICATIONS SD Card Up to 512GB Camera Adjustment Angle Pan: 0° to 180° Tilit: 0° to 180° Tilit: 0° to 180° Rotation: 0° to 360° Profile 1: 1080p(2MP)/720p/D1/2CIF/CIF/QCIF up to 30 fps (H.265/H.264/H.264/M.264) Profile 2: D1/2CIF/CIF/QCIF up to 30 fps (H.265/H.264/M.264) Profile 2: D1/2CIF/CIF/QCIF up to 30 fps (H.265/H.264/M.264) Profile 3: 1080p(2MP)/720p/D1/2CIF/CIF/QCIF up to 5 fps (MJPEG) Stream Profiles Available Resolutions 1920 x 1080 Bitrate 128 kbps-8Mbps Bitrate Type CBR, VBR	Minimum Illumination		
HFOV - 90° VFOV - 47° DFOV - 110°			
VFOV - 47° DFOV - 110°	Focus Range	0.3m to infinity	
Field of View (FOV) DFOV - 110° Lens Mount M12 Focus Fixed focus Aperture (F#) F 1.2 Iris Type Fixed IR Range 50m IR Led Wavelength 850nm HARDWARE SPECIFICATIONS SD Card Up to 512GB Camera Adjustment Angle Pan: 0° to 180° Tilt: 0° to 180° Rotation: 0° to 360° IMAGE AND VIDEO No of Stream Profiles 4 Profile 1: 1080p(2MP)/720p/D1/2CIF/CIF/QCIF up to 30 fps (H.265/H.264) Profile 2: D1/2CIF/CIF/QCIF up to 30 fps (H.265/H.264) Profile 2: D1/2CIF/CIF/QCIF up to 30 fps (H.265/H.264) Profile 3: 1080p(2MP)/720p/D1/2CIF/CIF/QCIF up to 5 fps (MJPEG) Profile 4: 720p/D1/2CIF/CIF/QCIF up to 30 fps (H.265/H.264/MJPEG) Available Resolution 1920 x 1080 Profile 2: D1/2CIF, CIF, QCIF Max Resolution 1920 x 1080 Bitrate 128 kbps-8Mbps Bitrate Type CBR, VBR		HFOV - 90°	
Lens Mount		VFOV - 47°	
Fixed focus	Field of View (FOV)	DFOV - 110°	
F 1.2 Iris Type	Lens Mount	M12	
Fixed Fixe	Focus	Fixed focus	
R Range	Aperture (F#)	F 1.2	
IR Led Wavelength IR Switching Auto/ Manual HARDWARE SPECIFICATIONS SD Card Up to 512GB Pan: 0° to 180° Tilt: 0° to 180° Rotation: 0° to 360° IMAGE AND VIDEO No of Stream Profiles 4 Profile 1: 1080p(2MP)/720p/D1/2CIF/CIF/QCIF up to 30 fps (H.265/H.264) Profile 2: D1/2CIF/CIF/QCIF up to 30 fps (H.265/H.264) Profile 3: 1080p(2MP)/720p/D1/2CIF/CIF/QCIF up to 5 fps (MJPEG) Profile 4: 720p/D1/2CIF/CIF/QCIF up to 30 fps (H.265/H.264/MJPEG) Available Resolutions 1920 x 1080, 720p, D1, 2CIF, CIF, QCIF Max Resolution 1920 x 1080 Bitrate 128 kbps-8Mbps Bitrate Type CBR, VBR	Iris Type	Fixed	
IR Switching Auto/ Manual HARDWARE SPECIFICATIONS SD Card Up to 512GB Camera Adjustment Angle Pan: 0° to 180° Tilt: 0° to 180° Rotation: 0° to 360° IMAGE AND VIDEO No of Stream Profiles 4 Profile 1: 1080p(2MP)/720p/D1/2CIF/CIF/QCIF up to 30 fps (H.265/H.264) Profile 2: D1/2CIF/CIF/QCIF up to 30 fps (H.265/H.264) Profile 3: 1080p(2MP)/720p/D1/2CIF/CIF/QCIF up to 5 fps (MJPEG) Stream Profiles Profile 4: 720p/D1/2CIF/CIF/QCIF up to 30 fps (H.265/H.264/MJPEG) Available Resolutions 1920 x 1080, 720p, D1, 2CIF, CIF, QCIF Max Resolution 1920 x 1080 Bitrate 128 kbps-8Mbps Bitrate Type CBR, VBR	IR Range	50m	
### HARDWARE SPECIFICATIONS SD Card	IR Led Wavelength	850nm	
SD Card	IR Switching	Auto/ Manual	
Camera Adjustment Angle Pan: 0° to 180° Tilt: 0° to 180° Rotation: 0° to 360° IMAGE AND VIDEO No of Stream Profiles 4 Profile 1: 1080p(2MP)/720p/D1/2CIF/CIF/QCIF up to 30 fps (H.265/H.264) Profile 2: D1/2CIF/CIF/QCIF up to 30 fps (H.265/H.264) Profile 3: 1080p(2MP)/720p/D1/2CIF/CIF/QCIF up to 5 fps (MJPEG) Stream Profiles Profile 4: 720p/D1/2CIF/CIF/QCIF up to 30 fps (H.265/H.264/MJPEG) Available Resolutions 1920 x 1080, 720p, D1, 2CIF, CIF, QCIF Max Resolution 1920 x 1080 Bitrate 128 kbps-8Mbps Bitrate Type CBR, VBR	HARDWARE SPECIFICATIONS		
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Rotation: 0° to 360°	Camera Adjustment Angle		
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H.264) Profile 2: D1/2CIF/CIF up to 30 fps (H.265/H.264) Profile 3: 1080p(2MP)/720p/D1/2CIF/CIF/QCIF up to 5 fps (MJPEG) Stream Profiles Profile 4: 720p/D1/2CIF/CIF/QCIF up to 30 fps (H.265/H.264/MJPEG) Available Resolutions 1920 x 1080, 720p, D1, 2CIF, CIF, QCIF Max Resolution 1920 x 1080 Bitrate 128 kbps-8Mbps Bitrate Type CBR, VBR	No of Stream Profiles	·	
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Max Resolution1920 x 1080Bitrate128 kbps-8MbpsBitrate TypeCBR, VBR			
Bitrate 128 kbps-8Mbps Bitrate Type CBR, VBR			
Bitrate Type CBR, VBR			
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video Compression n.zoa, n.zoa, ivijred			
Frame Rate 1-30fps	•		

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Shutter Speed	1/25-1/34000	
Adaptive Streaming	Yes	
ONVIF Profiles	S and G	
Edge Recording	Yes	
Alarm Recording	Pre and Post	
Motion Recording	Yes	
Video Parameters	Snapshot, Region of Interest (ROI), BLC, Day/Night Settings	
Privacy Masks	3	
WDR	True WDR (120dB)	
SNR	71db	
Image Enhancement	Saturation/Contrast/Sharpness/Brightness/Auto Exposure	
DNR	2D &3D	
	Motion/No Motion Detection, Tamper Detection, Trip/No Trip	
	Detection, Object Intrusion/Zone Intrusion, IP Conflict, Network	
Video Analytics	Disconnect, Storage Full, Time Triggered	
EVENTS AND ACTIONS		
Upload Image	SD, NAS, FTP	
Upload Clip	SD, NAS, FTP	
Notifications	E-mail, SMS, TCP	
PROTOCOLS SUPPORTED		
	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTCP, RTSP, PPPOE, SMTP,	
Supported protocols	NTP, HTTPS, TLS/SSL, FTP, ICMP, IGMP v2 & v3	
Web Viewer	Supported in IE 8.0-11.0, Firefox 15.0-47.0, Chrome 20.0-54.0	
	IE: Matrix ActiveX	
	Chrome: VLC plugin (2.0.4) and Quicktime(7.7.5)	
Plugins	Mozilla: VLC plugin (2.0.4) and Quicktime(7.7.5)	
OPERATING PARAMETERS		
Power Supply	12V (DC); 802.3af (PoE)	
Power Consumption	<7W	
Operating Humidity	Less than 90% RH (non-condensing)	
Operating Temperature	-20°C to 50°C	
Storage Temperature	-20°C to 50°C	
PHYSICAL PARAMETERS		
Communication interface	10Base-T/100BaseTX Ethernet (RJ-45)	
Weight	880 gm	
Colour	Pantone 7527C	
Dimensions	301.6 x 84 x 92.5 (Length x Height x Width)	
Storage	NAS, SD Card	
Certifications	BIS, CE, IP66, FCC Part-15 Class-B, ONVIF S & G, IK10, UL	
Certifications	2.0, 02, 00, . 00 . 0 20 0.000 2, 0 0 0. 0,20, 02	

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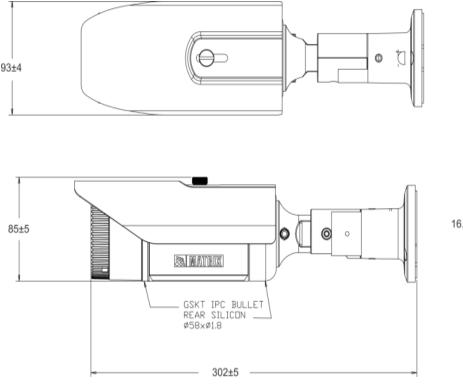
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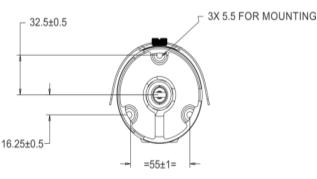
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DIMENSIONS (in mm)





ABOUT MATRIX

Established in 1991, Matrix is a leader in security and telecom solutions for modern businesses and enterprises. Matrix, an innovative, technology driven and customer focused organization, is committed to keep pace with the revolutions in security and telecom industries. With more than 40% of its human resources dedicated to the development of new products, Matrix has launched cutting-edge products such as Unified Communications, IP-PBX, Universal Gateways, Convergence, VOIP Gateways, GSM Gateways, IP Video Surveillance, Access Control and Time-Attendance. These solutions are feature-rich, reliable and conform to the international standards. Having global footprints in Europe, North America, South America, Africa and Asia through an extensive network of more than 1000 system integrators, Matrix ensures that the products serve the needs of its customers faster and longer. Matrix has gained trust and admiration of customers representing the entire spectrum of industries. Matrix has won many national and international awards for its innovative products.

* Specifications are subject to change without prior notice.

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