2MP IR Ruggedized Camera with 3.6 mm Lens







### SATATYA RIDR20FL36CWP

2MP IR Ruggedized Camera with 3.6mm Lens

Matrix Ruggedized Series IP Cameras are specifically designed for the demanding Transportation industry ie Railways and Roadways. Powered by Low light Sensitivity and High quantum efficiency Sensor it offers superior Video Quality and performance necessary to capture the events happening at a zap speed in/from a moving vehicle.

The Ruggedized IP Cameras are best suited for mobile applications. Loaded with versatile functions and a range of features, Matrix Ruggedized IP Cameras are an ideal Solution for Railways and Roadways to monitor the assets and provide superior customer service.

### **USP**



SONY STARVIS SENSOR



H.265 COMPRESSION



IVA



HIGHER FIELD OF VIEW



SMART STREAMING



ADAPTIVE STREAMING



TRUE WDR



NAS

#### **CERTIFICATION**

















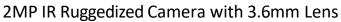
Customer Care: (+91) 265 613 7222 E-mail: Inquiry@MatrixComSec.com

www.MatrixComSec.com

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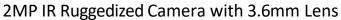


TECHNICAL SPECIFICATIONS IMAGE SENSOR		
	1/2.8" SONY - CMOS 2MP Active Pixel	
Sensor Type and Size	Progressive Scan, Back Illuminated Image sensor (STARVIS Series)	
	LENS	
	Color - 0.01 Lux @ F1.2 (AGC ON)	
Minimum Illumination	Monochrome - 0 Lux	
Focal Length	3.6mm	
Focus Range	0.5m to infinity	
	HFOV - 90°	
	VFOV - 37° DFOV - 110°	
Field of View (FOV)		
Lens Mount	M12/M16	
Focus	Fixed focus	
Aperture (F#)	F 1.2 / F 1.6 / F 1.8 / F 2.0	
Iris Type	Fixed	
IR Range	Up to 30m	
IR Led Wavelength	850nm	
IR Switching	Auto/ Manual	
HARDWARE SPECIFICATIONS		
SD Card	Up to 512GB	
Camera Adjustment Angle	Pan: -30° to 30°	
	Tilt: 10° to 90°	
	Rotate: -175° to 175°	
IMAGE AND VIDEO		
No of Stream Profiles	4	
Stream Profiles	Profile 1: 1080p(2MP)/720p/D1/VGA	
	2CIF/CIF/QCIF upto 60fps (H.265/ H.264)	
	Profile 2: D1/2CIF/CIF/QCIF upto 30fps	
	(H.265/H.264)	
	Profile 3: 1080p(2MP)/720p/D1/2CIF/CIF/QCIF/ VGA	
	upto 5fps (MJPEG)	
Available Resolutions		
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Available Resolutions  Max Resolution  Bitrate  Bitrate Type  Video Compression  Frame Rate	Profile 4: 720p/D1/2CIF/VGA/CIF/QCIF upto 30fps (H.265/H.264)  1920 x 1080, 720p, D1, VGA,2CIF, CIF  1920 x 1080  32 kbps-8Mbps  CBR, VBR  H.265, H.264, MJPEG  1-60fps	





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Shutter Speed	1/100000s -2s	
Adaptive Streaming	Yes	
ONVIF Profiles	Profile S and G	
Edge Recording	Yes (Only in NAS)	
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	>70dB	
Image Enhancement	Saturation/ Contrast/ Sharpness/Brightness/Auto Exposure/ HVS Forensic	
DNR	2D &3D	
Video Analytics	Motion/No Motion Detection, Tamper Detection, Trip/No Trip Detection, Object Intrusion/Zone Intrusion, Loitering, Missing/Abandoned object	
ALERTS		
IP Conflict	Yes	
Network Disconnect	Yes	
Storage Full	Yes	
Time Triggered	Yes	
	EVENTS AND ACTIONS	
Upload Image	SD, NAS, SFTP, SSFTP, HTTP	
Upload Clip	SD, NAS, SFTP, SSFTP, HTTP	
Notifications	E-mail, SMS, TCP, HTTP, SNMP trap	
PROTOCOLS SUPPORTED		
Supported protocols	IPv4, HTTP, SSL\TLS, Qos Layer 3, DiffServ, SFTP, Bonjour, UPnP, SNMP, v1/v2c/v3, DNS, DynDNS, NTP,RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SSH	
Web Viewer	Supported in IE 8.0-11.0, Firefox 15.0-47.0, Chrome 20.0-54.0, Safari	
Browser	IE, Chrome, Mozilla, Edge, Safari	
CYBER SECURITY		
Secure boot	Yes	
Signed firmware	Yes	
Data Encryption	All data, including sensitive data, is encrypted with AES 256 and RSA 2048	
IP Address Filtering	Yes	
HTTPS Streaming	Yes, using TLS 2.0	
Edge Data Encryption	Yes	
Network Authentication	Yes, 802.1x Network authentication	
Secure Firmware Upgrade	Yes	
Anti-roll back firmware	Yes	





Web login Password Protection	Yes	
Unused Debug Interface Protection	Yes	
OPERATING PARAMETERS		
Power Supply	12V (DC); 802.3af (PoE)	
Power Consumption	Maximum 7W	
Operating Humidity	Less than 95% RH (non-condensing)	
Operating Temperature	-30°C to 70°C	
Storage Temperature	-40°C to 80°C	
PHYSICAL PARAMETERS		
Communication interface	10Base-T/100BaseTX Ethernet (RJ-45)	
Weight	600g	
Color	Infinity White	
Dimensions	120x120x40 mm	
Certifications	BIS, CE, IP67, FCC Part-15 Subpart – B, IK10, UL, NEMA 4X	
Cyber Security	Yes, STQC Certified with OWASP ASVS 4.0 L2	

<sup>\*</sup>Specifications are subject to change without prior notice

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#### **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.



#### MATRIX COMSEC

Head Office 394-GIDC, Makarpura, Vadodara – 390 010, India.

Ph: +91 265 613 7222

E-mail: Inquiry@MatrixComSec.com

Factory

19 - GIDC, Waghodia,

Dist. Vadodara – 391 760, India.

Ph: +91 265 613 7222

MATRIX COMSEC - North America

2 Wickstead Crt, Brampton, Ontario, L6R 1N8.

Ph: (+1) 408-643-0581 (USA) Ph: (+1) 437-266-1005 (Canada)

www.MatrixComSec.com