SATATYA RIDR20FL36CWP
2MP IR Ruggedized Camera with 3.6mm Lens

MATRIX
TELECOM | SECURITY

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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

Onvif | BIS | NEMA 4X | FC | CE CERTIFIED | STQC Certification | OWASP Open Web Application Security Project

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

Make in India

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TECHNICAL SPECIFICATIONS	
IMAGE SENSOR	
Resolution	2 MP (1920 x 1080)
Sensor Type and Size	1/2.8" SONY - CMOS 2MP Active Pixel Progressive Scan, Back Illuminated Image sensor (STARVIS Series)
LENS	
Minimum Illumination	Color - 0.01 Lux @ F1.2 (AGC ON) Monochrome - 0 Lux
Focal Length	3.6mm
Focus Range	0.5m to infinity
Field of View (FOV)	HFOV - 87.6° VFOV- 46.4° DFOV - 104.5°
Lens Mount	M12
Focus	Fixed focus
Aperture (F#)	F 1.6
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/QCIFupto60fps(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) Profile 4: 720p/D1/2CIF/VGA/CIF/QCIF upto 30fps (H.265/H.264)
Available Resolutions	1920 x 1080, 720p, D1, VGA,2CIF, CIF
Max Resolution	1920 x 1080
Bitrate	32 kbps-8Mbps
Bitrate Type	CBR, VBR
Video Compression	H.265, H.264, MJPEG
Frame Rate	1-60fps

Shutter Speed	1/15s-1/100000s
Adaptive Streaming	Yes
ONVIF Profiles	S, G & T
Edge Recording	Yes
Alarm Recording	Pre and Post
Motion Recording	Yes
Video Parameters	Snapshot, Region of Interest (ROI), BLC, Day/Night Settings
Privacy Masks	8
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
ALERTS	
IP Conflict	Yes
Network Disconnect	Yes
Storage Full	Yes
Time Triggered	Yes
EVENTS AND ACTIONS	
Upload Image	SD, NAS, SFTP,HTTP
Upload Clip	SD, NAS, SFTP, HTTP
Notifications	E-mail, SMS, TCP, HTTP, SNMP trap
PROTOCOLS SUPPORTED	
Supported protocols	TCP/IP, HTTP, HTTPs, QoS, DHCP, DNS, DDNS, RTP, RTCP, RTSP, PPPOE, SMTP, NTP, TLS/SSL, SFTP, ICMP, IGMP, ARP, UDP, 802.1x, SNMP,UPnP,Bonjour
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 1.2
Edge Data Encryption	Yes
Network Authentication	Yes, 802.1x Network authentication
Secure Firmware Upgrade	Yes
Anti-roll back firmware	Yes

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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 60°C
PHYSICAL PARAMETERS	
Communication interface	10Base-T/100BaseTX Ethernet (RJ-45)
Weight	700g
Color	Infinity White
Dimensions	120.5x118.6x63.3 mm (L*W*H)
Certifications	BIS, CE, FCC Part-15 Subpart – B, IK10, ONVIF S, G&T, NEMA 4X**, STQC Certified with OWASP ASVS 4.0 L2

*Specifications are subject to change without prior notice**MTO*

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.

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