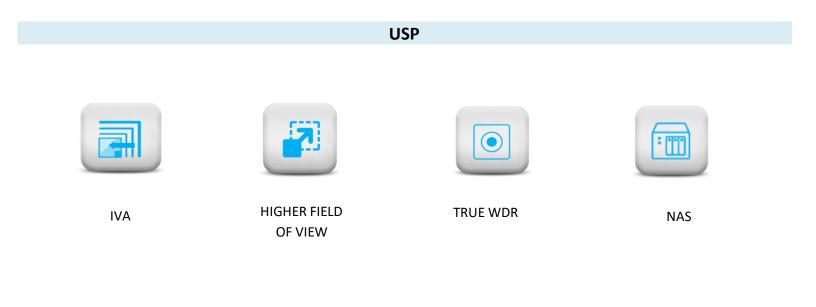# SATATYA CIDRP20VL153CW
2MP PTZ

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Matrix project series IP Cameras are built using superior components 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, Automatic Motion based Frame Rate Reduction save bandwidth and storage up to 50%.

USP

IVA

HIGHER FIELD OF VIEW

TRUE WDR

NAS

TECHNICAL SPECIFICATIONS	
CAMERA	
Image Sensor	1/2.8'' Progressive Scan CMOS
Resolution	1920×1080 (2MP)
Min. Illumination	0.005Lux (F1.6, AGC ON) for Color, 0Lux with IR, 0.001Lux (F1.6, AGC ON) for B/W
White Balance	Auto/Manual/ATW (Auto Tracking White Balance)/Indoor/Outdoor/Daylight Lamp/Sodium Lamp/ Fluorescent Lamp
AGC	Auto/Manual
S / N Ratio	≥ 50Db
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120db WDR
Shutter Speed	1 ~ 1/30,000s
Day & Night	IR Cut Filter
Zoom	32X Optical, 16X Digital
Back Light Compensation/ High Light Compensation	Supported
Defog	Supported
Privacy Masking	24 Privacy Masks Programmable
Focus Mode	Auto/Semi-Automatic/Manual
Audio Compression	G.711ulaw/G.711alaw/G.726/MP2L2/G.722/PCM
Focal Length	4.8 ~ 153mm, 32x optical zoom
Zoom Speed	Approx. 5.6s (Optical, Wide-Tele)
Field of View	Horizontal field of view: 55.6° to 2.04° (Wide-Tele) Vertical field of view: 32.4° to 1.14° (Wide-Tele) Diagonal field of view: 63° to 2.34° (Wide-Tele)
Min. Working Distance	10 ~ 1500mm (Wide-Tele)
Aperture Range	F1.2 ~ F4.4
Pan/Tilt Range Pan	Pan: 360° endless; Tilt: -15° ~ 90° (Auto Flip)
Pan/Tilt Speed	Pan Manual Speed: 0.1° ~ 160°/s, Pan Preset Speed: 240°/s Tilt Manual Speed: 0.1° ~ 120°/s, Tilt Preset Speed: 200°/s
Pre-set Position	300
Proportional Zoom	Supported
IR Distance	Up to 150m
Smart IR	Supported

IR Intensity	Automatically Adjusted, Depending on the Zoom Ratio
Patrol Scan	8 patrols, up to 32 presets for each patrol
Pattern Scan	4 pattern scans, record time over 10 minutes for each scan
Power-off Memory	Supported
Park Action	Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan
3D Positioning	Supported
PTZ Position Display	Supported
Preset Freezing	Supported
Scheduled Task	Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux Output
AUDIO AND ALARM INTERFACE	
Alarm Interface	2-ch alarm input and 1-ch alarm output
Audio Interface	1-ch audio input and 1-ch audio output
Alarm Actions	Alarm actions, such as Notify Surveillance Center, Upload to FTP, Send Email, Trigger Recording, Recording Linkage, and Alarm Input, etc.
NETWORK	
Network Interface	1 RJ45 10 M/100 M Ethernet, Hi-PoE
Max. Image Resolution	1920×1080 (2MP)
Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 50fps (1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720) 60fps (1280 × 960, 1280 × 720)
Sub-Stream	50Hz: 25fps (704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Image Enhancement	HLC/BLC/3D DNR/Defog/EIS/Regional Exposure/Regional Focus
Video Compression	Main Stream: H.265+/H.265/H.264+/H.264 Sub-Stream: H.265/H.264/MJPEG Third Stream: H.265/H.264/MJPEG H.264 with Baseline/Main/High Profile
Video Bitrate	32 Kbps to 16384 Kbps
Audio compression	G.711ulaw/G.711alaw/G.726/MP2L2/G.722/PCM
Audio Bitrate	G.711alaw/G.711ulaw: 64 Kbps G.722.1/G.726: 16 Kbps

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MATRIX SECURITY SOLUTIONS

	MP212/PCM: 32 Kbps/64 Kbps/128 Kbps
SVC	Supported
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour
Simultaneous Live View	Up to 20 channels
Streams	Three streams
Storage	Built-in memory card slot support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/CIPS), ANR
User/Host Level	Up to 32 users, 3 Levels: Administrator, Operator, User
Security Measures User Authentication	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering
Firmware Update	Through Web Browser/Online
Password Protection Available	Available
SMART FEATURES	
Basic Event	Motion Detection, Alarm Input, Alarm Output, Video Tampering Detection, Exception
Smart Event	Face Detection, Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Object Removal Detection, Unattended Baggage Detection
Smart Record	ANR (Automatic Network Replenishment), Dual-VCA
ROI	Main stream, sub-stream, and third stream respectively support four fixed areas.
Auto-Tracking	Support
GENERAL	
Application Programming Interface (API)	Open-ended, support ONVIF, ISAPI, and CGI, support HIKVISION SDK and Third-Party Management Platform
Web Browser	IE 8 to 11, Chrome 31.0 to 44.0, Firefox 30.0 to 51.0
Power	24 VAC and Hi-PoE Max.: 40 W (Max. 14 W for IR)
Working Temperature	-30 °C ~ 65°C(-22°F ~ 149°F)
Humidity	90% or Less
Protection Level	IP66, TVS 4,000V Lightning Protection, Surge Protection and Voltage Transient Protection
Dimensions	Φ220×353.4mm (Φ8.66"×13.91")(Outdoor)
Material	ADC 12, PC, PC+10%GF
Weight	Approx. 4.5kg(9.92lbs)

Customer Care: 1800-258-7747   E-mail: Inquiry@MatrixComSec.com

Made in India

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MATRIX
SECURITY SOLUTIONS

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.