CP-UNC-BE21C-VMDS-Q

2MP Full HD WDR Network Box Camera

GOVERNMENT APPROVED* STQC LABS

- 1/2.8" 2MP PS CMOS Image Sensor (0.9071 centimeter)
- 1920(H) × 1080(V) @25/30 fps.
- C/CS Mount Lens
- Instastream, H.265, H.264+, H.264, H.264B, H.264H, MJPEG
- Support Quad Stream
- WDR(120dB), ICR, 3D DNR, Defog, ROI, EIS, AWB, AGC, BLC, HLC
- Support Micro SD Card, Digital Watermarking, Built-in Mic, PoE

ctc
CP PLUS TRUSTED CORE
TECHNOLOGY

2MP | WDR | Built-in Mic | Instastream

System Overview

This Series has been enhanced with smart play technology using the latest high-efficiency video coding technology to the next level for better results and making it H.265. It brings to you a chance to save on bandwidth and storage. Smart analytical support present in this Series lets you increase the proficiency and effectiveness of your security solution manifolds along with the starlight technology and smart infrared technology.

MTBF

Secure Boot : With an impressive Mean Time Between Failures (MTBF) of over 100,000 hours, this camera delivers exceptional durability with its ability to perform seamlessly in demanding environments. Constructed with industrial-grade components, it is engineered to withstand the rigors of continuous operation, making it a perfect fit for critical applications such as 24/7 surveillance and public safety monitoring.

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CTC Technology:

CP PLUS Trusted Core Technology is a multi-layered security architecture that brings together the best of cyber security practices and technological intelligence. It is not just an enhancement; it is a complete redefinition of how surveillance should function in today's digital landscape - more intelligent, more secure, and more reliable than ever before.

Functions

Wide Dynamic Range (WDR)

When a scene is partly dark and partly bright, that is the dynamic range that distorts images due to this difference in the lighting. WDR technology provides you balanced lighting for a clear and vivid image throughout the day. WDR technology can be installed at entry/exit points of any building structure, jewellery shops, outdoor location among so many other places.

True Day/Night (ICR)

When the scene is too dark, the image is captured by illuminating an infrared light through the camera onto the scene that greatly helps with making the scene visible for the lens. It delivers color images during the day and automatically switches to the monochrome feature as the scene darkens.

Live Viewing

Unlike some, this technology enables you to record the picture feed but view it live as well at your convenience. On top of that, the advantages of high-resolution video recording are numerous.

About CP PLUS

The brand that is on its way to lead the world when it comes to the security and surveillance industry, CP PLUS, keeps bombarding the market with the most reliable range of products that have been designed carefully and methodically to automate the whole surveillance and security process, no matter how big your premises are.

It was the initiative to help the public in the area where they are the most vulnerable and to empower the sense of safety in our hearts that had conceptualized CP PLUS. And embarking on its mission to make the world a safer and more secure place has taken the brand's journey to unprecedented levels even when compared to international competitors.

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Feature	Specification
Image Sensor	1/2.8" 2MP PS CMOS Image Sensor (0.9071 centimeter)
Minimum Illumination	Colour Mode 0.0021 Lux @F1.6, Night Mode (Black & White) 0.00021Lux @F1.6
Effective Pixels	1920 (H) × 1080 (V)
Shutter Speed	Auto/Manual, 1/3 s–1/100000 s
RAM	512 MB
ROM	128 MB
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Lens Mount	C/CS
Gain Control(AGC)	Auto
Back Light Compensation	BLC / HLC / WDR(120dB)
Stream Capability	Quad Stream
S/N Ratio	> 56dB
Video Format	PAL/NTSC
Video Compression	Instastream, H.265, H.264+, H.264, H.264B, H.264H, MJPEG (only supported by sub stream)
Resolution	2MP(1920 × 1080) / 1.3M (1280 × 960) / 1MP(1280 × 720) / D1 (704 × 576 / 704 × 480) / VGA (640 × 480) / CIF (352 × 288 / 352 × 240)
Bit Rate Control	CBR/VBR
Bit Rate	H.264: 3 kbps–6144 kbps, H.265: 3 kbps–6144 kbps
Noise Reduction	3D DNR
Image Stabilization	Electronic Image Stabilization (EIS)
Motion detection	OFF/ON (4 Areas, Rectangular)
Privacy Mask	Off/On (4 Area)
ROI	Off/On (4 Area)
Two-Way Talk	Support

Feature	Specification
Audio Input	1 Channel
Audio Output	1 Channel
Audio	Built in Mic
Alarm IN	2 channels: 5 mA 3–5 VDC
Alarm Out	2 channels: 1,000 mA 30 VDC/500 mA 50 VAC
OSD	Camera title, Date & Time
Protocol	IPv4, IPv6, HTTP, HTTPS, ARP, RTSPS, SMTP, SFTP, DHCP, DNS, UPnP, NTP, Multicast, NFS, PPPoE, SNMP V1/V2/V3, ICMP,IGMP, ONVIF (Profile S, Profile G, Profile T), Unicast, Multicast
IVS (Optional)	Tripwire, Intrusion, Object Abandon/ Missing, SMD, Face Detection
Audio Compression	PCM, G.711a, G.711Mu, G.726, MPEG2-Layer2, G.722.1
Ethernet	RJ-45 (10/100Base-T)
Day/Night	Auto(ICR)/ Color/ B/W
Alarm Event	Motion/tampering detection, audio detection, network disconnection detection, IP conflict detection, memory card state detection, memory space detection
Cyber Security	AES 256-bit Encryption, Configuration encryption, trusted execution, Digest, security logs, WSSE, account lockout, syslog, video encryption, IP/MAC filtering, HTTPS, trusted upgrade, trusted boot
User/Host	20 (Total bandwidth: 80 M)
Browser	Microsoft Edge and Chrome
Mirror Function	Off/On
Storage	SFTP, NAS, Micro SD card (support max. 512 GB)
Frame Rate	Main stream: 2MP/1.3MP/1MP/D1@(1-25/30fps) Sub stream 1: D1/VGA/CIF@(1-25/30fps) Sub stream 2: 2MP/1.3MP/1MP/D1@(1-25/30fps) Sub stream 3: D1/VGA/CIF@(1-25/30fps)
Defog	Support
Flip	0°/90°/180°/270°
Certificates	MTBF Certificate from STQC, ISO9001, STQC approved compliance report
Power Source	DC 12V (±30%), AC 24V (±30%), PoE (802.3af)
Power Out	12 VDC power output, max. current 165 mA, peak current 700 mA

Feature	Specification
Power Consumption	<10W
SR 332	Quality Level II
Operating Temperature	-30° C to +60° C
Operating Humidity	≤95% RH, Non condensing
Storage Temperature	-40° C to +60° C
Casing	Metal
Dimension	161.6mm × 86.8mm × 74.0mm
Weight	0.8kg

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