vantage
keeping you safe

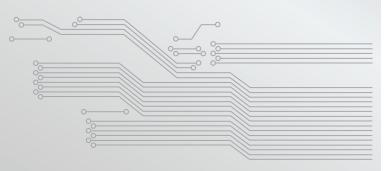# FULL HIGH DEFINITION
5MP IP BULLET CAMERA

VP-NC3825B-AZIR1X1
LICENSE PLATE RECOGNITION CAMERA

FEATURES

Full High Definition 5MP (2560 x 1944) resolution

H.265+ video compression technology with real time encoding

Inbuilt 140dB WDR, 3D DNR, HLC, & BLC functions

Support Triple streams

High performance IR Cut mechanical filter for True Day & Night vision

Inbuilt Smart Analytics Features

IP67 Weather proof outdoor enclosure

H.265+ COMPRESSION

Full HD

Backlight Compensation

Mechanical ICR

140dB WDR

Onvif UL BIS CE FC RoHS

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Parameter	Specifications
Image Sensor	1/1.8" CMOS
Scanning Mode	Progressive scan
Minimum Illumination	Color: 0.0002 Lux @ F1.7, B/W: 0 Lux (IR LED on)
Resolution	Maximum 5MP (2560 × 1944 pixels)
Lens Type	Motorized varifocal lens 7 to 37 mm with auto-focus
Aperture	F1.7 ~ F1.73
Iris Control	DC
Electronic Shutter Speed	1s to 1/100,000s (anti-flicker, slow shutter supported)
Day & Night Switch	Built-in IR cut filter Day, Night, Auto, Schedule
Adjustment Angle	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Angular Field of View	Wide: 112° (H), 62° (V), 119° (D) Tele: 24° (H), 20° (V), 50° (D)
Night Vision Source	Smart infrared LED illumination with intensity control
IR Range	Up to 102 meters distance
Video Compression	H.265+/H.265/H.264+/H.264 H.265: Main Profile H.264: Baseline Profile, Main Profile, High Profile
Video Bit Rate	64 Kbps to 8 Mbps
Bit Rate Control	Variable and Constant bit rate supported
Signal to Noise Ratio	≥ 65 dB
Multi-video Streaming	Main Stream: 2560x1944@25fps, 1920x1080@25 fps, 1280 x 720@25fps Sub-Stream: 1920x1080@25 fps, 1280 x 720@25fps, 640 × 480@25fps, 640 × 360@25fps) Triple Stream: 740 × 480@25fps, 352 × 288@25fps
Simultaneous Live View	Max. 25 channels
User/Host	Max. 40 users. 3 user levels: administrator, common user and operator
Audio Interface	1 mic input, 1 speaker output
Audio Type	Mono sound
Audio Enhancement	Environment noise filtering and echo cancellation
Audio Sampling Rate	8 kHz/16 kHz
Audio Compression	G711A / U
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)
Image Rotate & Mirror	Supported
Image Enhancement Settings	Brightness, hue, contrast, saturation, sharpness, gain, white balance, rotate mode, image flip, adjustable by camera web interface or CMS client
Image Compensation	WDR 140 dB, BLC, HLC, 3D DNR image enhancement supported
Video Discretion	Support separate configuration of each region of interest for main & sub stream and 4 configurable polygon privacy masks
System Protocols	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTMP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP,HTTP, HTTP POST,802.1x, UPnP, HTTPs, QoS
System Compatibility	Onvif Profile S, G, T supported
Plug & Play Integration	Proprietary protocol supports auto configuration of device
Security	HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/HTTPs, video encryption, firmware encryption
Web Browser	IE 10, IE 11, Chrome 57.0+, Firefox 52.0+
Network Interface	1 RJ45 10M/100M/1000M self-adaptive Ethernet port
Other Interface	RS 485, Wiegand, CVBS output (BNC × 1)
Edge Storage	Built-in memory card slot max. 1TB supported micro SD / micro SDHC / micro SDXC surveillance grade card
Camera Default	Reset button supported

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Smart Video Analytic Events	Motion detection, human and vehicle target based alarm trigger, sensor detection, SD card error, SD card full, IP address conflict, cable disconnection, video tampering detection & exception alarm
Artificial Intelligence Based Analytics	Vehicle license plate recognition (LPR) function with overview and cutout, snapshot time, location, license plate, plate color, traffic violation information, vehicle type detection, video exception detection
Alarm Linkage	Notify surveillance control centre, send email, trigger recording, trigger capture, trigger alarm output and upload to FTP/memory card
Alarm Interface	1 input, 1 output (max. DC 12V, 30 mA)
Other Functions	Heartbeat, anti-banding, mirror, corridor mode, defog
Additional Security	Supports strong password protection, watermark image overlay / stamp
Power Supply	DC 12 V ± 10% PoE: 802.3af, Class 3
Power Consumption	12 VDC: Max. 8 W PoE: Max. 9W
Enclosure	Weatherproof metal alloy housing
Ingress Protection	IP67
Operating Condition	-42 °C to 72 °C, Humidity 95% or less (non-condensing)
Humidity	95% or less (non-condensing)
Dimension	278.3 × 100.2 × 88.7mm
Weight	Approx. 1.04KG
Certifications	BIS, CE, FCC and ROHS

*Exact products and specifications shown may vary by geographic region and are subject to change without notice. Product image, weights and measurements are approximate and may vary due to customized solutions & products being offered as per customer requirements.