IC REALTIME™ NEXGEN

NEXGEN-3s-DM2-IXV

2MP HDCVI 2.7-13.5mm Motorised Starlight 100m IR DualVoltage Dome

The NEXGEN-3s-DM2-IXV is a commercial IP67/IK10 dome camera based on HDCVI standards, boasting a 2-megapixel/1080P resolution. Equipped with a powerful 2.7~13.5mm AutoIris Motorised lens, this camera can capture images up to a distance of 60m using its' Starlight CMOS Sensor. The camera can achieve exceptional image quality and colour even in low light environments, down to 0.001Lux.

The NEXGEN-3s-DM2-IXV is capable of capturing excellent results in areas such as doorways, thanks to its 120dB true Wide Dynamic Rage (WDR). Its industry-leading Super Adapt technology accurately recognizes the monitoring scene as indoor, outdoor or under wide dynamic range, and adjusts the image settings accordingly. This feature helps avoid overexposure under intense light and improves the brightness of dark areas, allowing for clearer details of targets.

The camera employs 3DNR technology to reduce image noise with minimal impact on image sharpness, especially in poor lighting conditions. This technology detects noise and compares sequential frames to effectively reduce it while also efficiently using bandwidth and saving on storage space.

The camera includes multiple interfaces, such as 1 alarm input, 1 alarm output, 1 audio input, 1 HDCVI BNC Output that can be switched to AHD, TVI or CVBS, and a 2 pin CVBS BNC Test Output. It can be powered using either 12vDC or 24vAC and features a built-in heater allowing it to operate even in temperatures as low as minus 30°C.

HDCVI/AHD TVI/CVBS	2MP/1080P	Low Light	60m IR Detection	Alarm & Audio Interface In/Out

● PERFORMANCE

Image Sensor	1/2.7" (CMOS)
Chipset	Ambarella
Transmission Formats	HDCVI, HD-TVI, AHD, CVBS
Effective Pixels	1920 (H) x 1080(V)
Resolution	2MP/1080P CVI/AHD/TVI (1~25fps, PAL) CVBS (1~25fps, PAL)
Backlight Compensation	BLC/HLC/HLC Pro
Wide Dynamic Range	120db WDR
Gain Control	AGC/Manual
Noise Reduction	3D
White Balance	Auto/ Manual
OSD Control	Yes - On Board Control

● LENS

Focal Length	2.7-13.5mm Motorised
Max Aperture	F1.5
Mount Type	Board-in
Angle of View	D131° x H109° x V56°

● DORI GUIDE (EN 62676-4)   *DORI Values below are for Wide FoV

Detect	25px/m - 2.7mm = 44.1m
Observe	63px/m - 2.7mm = 17.7m
Recognize	25px/m - 2.7mm = 8.8m
Identify	250px/m - 2.7mm = 4.4m

● DAY & NIGHT

Min. Illumination	0.001 lux@F1.5 (Color, 30 IRE) 0.0001 lux@F1.5 (B/W, 30 IRE)
Day/Night	Auto (ICR) / Manual
IR Distance	Up to 60m (Smart IR)

● CONNECTIVITY

Video Output	1 (BNC)
CVBS Analogue Output	2 (1x Master BNC, 1x 2-pin CVBS test)
Alarm Input	1
Alarm Output	1
Audio Input	1
Audio Output	–
RS-485	–
Memory Slot	–

● ENVIRONMENTAL

Power	12vDC (+10%) / 24vAC (+25%)
Consumption	13W (Max - IR On)
Working Environment	-30ºC ~ +60ºC / Less than 95%RH
IP Protection	IP67
Vandal Protection	IK10
Construction Material	Aluminium (Casing)
Dimensions	Ø159.1(mm) x 118.1(mm)
Weight	0.90kg (NET) / 1.20kg (Gross)

● ACCESSORIES (OPTIONAL)

Junction Base	BASE-138-W
Wall Mount	MNT-PFB211WA
Pole Mount	MNT-PM152-E
Ceiling Drop Mount	MNT-PFB300C + PLA-101-W

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