

# GENESIS

## GENESIS-2s-PO2-V-x25



The GENESIS-2s-PO2-V-x25 is a 2 MegaPixel 25x Optical PTZ with a IK10 Vandal Proof Rating.

This camera uses a Sony IMX290 CMOS Sensor meaning the camera can achieve outstanding image quality under extreme low light environments down to 0.005Lux using our Sirius low light technology. The GENESIS-2s-PO2-V-x25 can also achieve excellent results in areas such as doorways with 120dB true Wide Dynamic Range (WDR)

The GENESIS-2s-PO2-V-x25 at default supports HDCVI video format but through the OSD can be switched to CVBS Analogue signal for older platforms.

The latest HDCVI standard allows for multi-signalling down the one coaxial cable simultaneously (Video, Audio, Data), HDCVI also allows for extremely long transmission distances without any loss of quality. It supports distances of up to 700m (1080P) and 1,200m (720P) via coaxial cable and up to 300m via UTP cable using Baluns.



### PERFORMANCE

Image Sensor	Sony IMX290 (1/2.8")
Chipset	Ambarella
Transmission	HDCVI or CVBS Analogue
Effective Pixels	1920(H) x 1080(V)
Resolution	1080P (1-25fps) 720P (1-50fps)
Backlight Compensation	BLC / HLC
Wide Dynamic Range	WDR (120dB)
Noise Reduction	Ultra DNR 2D/3D
White Balance	Auto/ATW/Indoor/Outdoor
Privacy Masking	Up to 24 Areas
OSD Control	Yes

### LENS

Focal Length	4.8-120mm (25x Optical)
Max Aperture	F1.6 - F4.4
Focus Control	Auto / Manual
Angle of View	H: 59.2° - 2.4°
Digital Zoom	16x

### DAY / NIGHT

Min. Illumination	0.005Lux @ F1.6 (Colour) 0.0005Lux @ F1.6 (B&W)
Day/Night	Auto (ICR) / Colour / B&W
Low Light	IC Realtime Sirius
IR Distance	-

### CONNECTIVITY

HDCVI Video Output	1 - BNC can be either HDCVI (default) or CVBS Analogue
CVBS Tester Output	0
Alarm Input	2
Alarm Output	1
Audio Input	1
Audio Output	0
RS-485	1

### PTZ FEATURES

Pan/Tilt Range	Pan 0° - 360° Endless Tilt 0° - 90° / Auto Flip 180°
Manual Control Speed	Pan 0.1° - 350°/s Tilt 0.1° - 250°/s
Speed Setup	Speed Adaptation according to position and human force
Pre-set	300
Pre-set Speed	Pan 500°/sec, Tilt 500°/sec
Functions	5 Pattern, 8 Tour, Auto Scan, Auto Pan
Power up Action	Auto restore to previous PTZ and lens status after power failure
Idle Motion	Activate Pre-set / Pan/ Scan/ Tour if there is no command in the specified period
Protocol	ICRSD, Pelco D/P (Auto)

### ENVIRONMENTAL

Power	24vAC / 1.5A (±10%)
Consumption	13W / 23W (Heater On)
Working Environment	-40°C - 70°C / Less than 90% RH
IP Protection	IP66
Vandal Protection	IK10
Construction Material	Metal
Dimensions	Ø186(mm) x 253(mm)
Weight	2.5kg NET / 4.5kg Gross

### ACCESSORIES (OPTIONAL)

Ceiling Mount	MNT-CM3
Pole Mount	MNT-PM3
Corner Mount	MNT-CRM3
Junction Base	BASE-120
PSU Box	BASE-PWR140-W
Prapet	MNT-303S
OSD Controller	UTC-1



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