Concept ◇ Pro

2MP	2.8-12mm Varifocal Lens	30M IR	4 in 1

CVP9329IREL-AHD2M
CVP9329IREL-AHD2M-G

Concept Pro Lite 2MP 4-in-1 Analogue Varifocal External Eyeball Camera

The CVP9329IREL-AHD2M model is a 4-in-1 analogue camera that has been designed to deliver the highest image quality for demanding external environments. This weather-resistant external eyeball features a varifocal lens, smart infrared LEDs with 30m illumination range, and provides crisp 2-megapixel video at real-time frame rates with true wide dynamic range and enhanced low light performance. This camera is also designed for excellent compatibility with the Concept Pro range of hybrid digital video recorders.

WDR

True Wide Dynamic Range
With true wide dynamic range, this camera can capture sharp images throughout the entire field of view, even when there are severe differences between light levels.

Enhanced Low Light Performance
This CCTV camera utilises an Enhanced Low Light CMOS sensor with greater light sensitivity, resulting in the camera capturing colour images long after standard CCTV cameras have switched to black and white night mode.

Four-in-one solution
Don't be tied down to any single analogue platform. With Concept Pro 4-in-1 cameras you have the freedom to install whichever CCTV platform you like, whether you install AHD, TVI, CVI, or traditional analogue systems.

KEY FEATURES

- Max. 25FPS @ 2MP
- 2.8-12mm Varifocal Lens
- Up to 30m Smart IR Illumination
- 4-in-1 Operation (AHD/TVI/CVI/CVBS)
- Enhanced Low Light Performance
- True Wide Dynamic Range

OTHER FEATURES

- DC12V/AC24V Dual Power Input
- Up the Coax Coaxitron Support
- AGC, Sens-up, AWB, BLC, HLC
- IP66-rated

ANALOGUE HD TYPICAL CABLE DISTANCE

Camera ──────────── **DVR**

	5MP	2MP	720P
COAX (RG59)	UP TO 500M	UP TO 500M	UP TO 500M
CAT5e	UP TO 200M	UP TO 305M	UP TO 350M
CAT6	UP TO 200M	UP TO 305M	UP TO 350M

*Approximate distances calculated using HD MasterBaluns. Actual transmission range will vary depending on type and quality of cable and baluns.

COMPATIBLE WITH

CONCEPT PRO AHD RECORDING RANGE

CVP9329IREL-AHD2M
CVP9329IREL-AHD2M-G

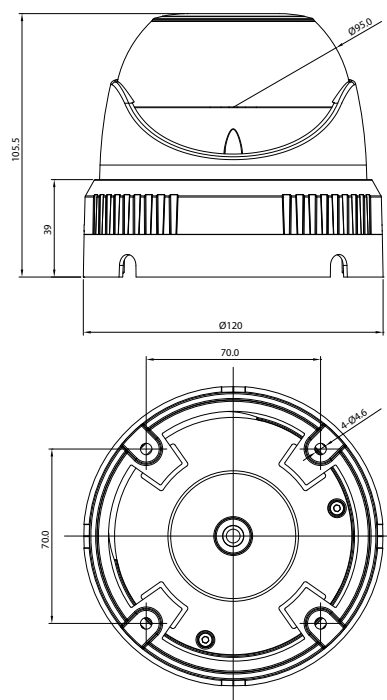Concept Pro Lite 2MP 4-in-1 Analogue
Varifocal External Eyeball Camera

Concept ◆ Pro

SPECIFICATION

Model/Feature		CVP9329IREL-AHD2M / CVP9329IREL-AHD2M-G
Camera	Image Sensor	1/2.8" Progressive Scan CMOS
	Video Output Type	AHD/TVI/CVI/CVBS
	Signal System	PAL/NTSC
	Min. Illumination	Colour: 0.02 lux (Enhanced Low Light) B&W: 0.002 lux (Enhanced Low Light) 0 lux with IR on
	Electronic Shutter	Auto/Manual, 1/25–1/25,600s
	S/N Ratio	≥50dB
	IR LEDs	x4
	IR Illumination Range	Max. 30m
	IR Control	On/Off
	Adaptable IR	Auto
	Pivot Axis	Pan: 0-349°, Tilt: 0-80°, Rotation: 0-360°
Lens	Lens Type	Manual Varifocal
	Mount Type	Built-in
	Focal Length	f=2.8-12mm
	Aperture	F1.8
	Angle of View	H: 95-27°, V: 67-19°, D: 135-35°
	Focus	Manual
	Iris	Fixed
Video	Resolution	2MP (1920 x 1080), SD (960 x 576)
	Frame Rate	AHD/TVI/CVI: 25/30FPS @ 2MP CVBS: 25/30FPS @ SD
	Day/Night	True Day & Night with ICR (Auto/Colour/B&W/EXT)
	Backlight Compensation	BLC/HLC
	Wide Dynamic Range	True WDR
	White Balance	Auto/AutoExt/Preset/Manual
	Gain Control	Auto (AGC, 0–20)
	Noise Reduction	2D/3D-DNR (High/Middle/Low/Off)
	Motion Detection	Yes
	Defog	-
	Image Setting	Freeze, Flip
	Image Adjustment	Brightness, Sharpness, Colour Gain, Ace, Gamma
	Privacy Masking	Yes
	Sens-Up	Yes (x2/x4/x8/x16/x32/Off)
	Transmission Distance	Max. 500m (1Vp-p 75Ω)
Interface	Video Output	x1 1.0Vp-p 75Ω BNC (AHD/TVI/CVI/CVBS)
	Audio Interface	-
	RS-485	-
	Control Protocol	N/A
	Up the Coax (Coaxitron) Support	Yes
	OSD Buttons	Yes
General	Power Supply	DC12V±10%/AC24V±10%
	Power Output	-
	Power Consumption	Max. 4.8W
	Operating Temperature	-30°C to +50°C
	Operating Humidity	20–80% RH
	Ingress Protection	IP66
	Impact Resistance	-
	Housing Materials	Aluminum Diecasting
	RAL	CVP9329IREL-AHD2M: RAL 9010 Pure White CVP9329IREL-AHD2M-G: RAL 7021 Black Grey
	Dimension	Ø120 x (H) 105.5mm
	Net Weight	≈500g
	Gross Weight	≈650g
Certification	Certifications	CE

DIMENSIONS

All measurements are in mm.

Ø95.0
105.5
39
Ø120
70.0
70.0
4-Ø4.6

ORDER CODE

◆ **CVP9329IREL-AHD2M** — Concept Pro Lite 2MP 4-in-1 Analogue Varifocal External Eyeball Camera

◆ **CVP9329IREL-AHD2M-G** — Concept Pro Lite 2MP 4-in-1 Analogue Varifocal External Eyeball Camera (Black-Grey)

OTHER PRODUCTS IN THE RANGE

◆ **CVP9329IREL-AHD5M** — Concept Pro 5MP 4-in-1 Analogue Varifocal External Eyeball Camera

◆ **CVP9329IREL-AHD5M-G** — Concept Pro 5MP 4-in-1 Analogue Varifocal External Eyeball Camera (Black Grey)

RECOMMENDED ACCESSORIES

◆ **CP-BASE-1-V2** — Concept Pro Small Junction Box
◆ **CP-BASE-1-V2-G** — Concept Pro Small Junction Box - Black Grey
◆ **CP-WM-1-V2** — Concept Pro Small Wall Mount
◆ **CP-WM-1-V2-G** — Concept Pro Small Wall Mount - Black Grey
◆ **CP-PM-1-V2** — Concept Pro Small Pendant Mount
◆ **CP-PM-1-V2-G** — Concept Pro Small Pendant Mount - Black Grey
◆ **CP-PLM-V2** — Concept Pro Pole Mount
◆ **CP-CM-V2** — Concept Pro Corner Mount
◆ **RG59K-100** — RG59 Coaxial Cable 100m (Black))
◆ **RG59K-500** — RG59 Coaxial Cable 500m (Black)

COMPATIBLE WITH

CONCEPT PRO AHD RECORDING RANGE

CVP9329IREL-AHD2M
CVP9329IREL-AHD2M-G

Concept Pro Lite 2MP 4-in-1 Analogue
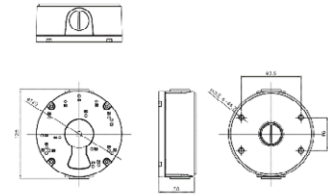Varifocal External Eyeball Camera

Concept ◆ Pro

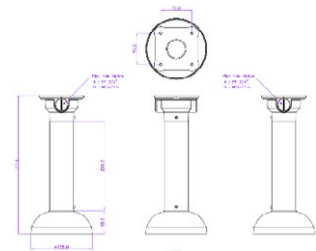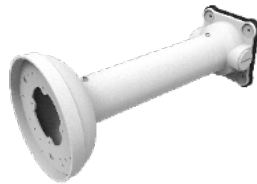| ACCESSORIES	DIMENSIONS

CP-BASE-1-V2
CP-BASE-1-V2-G

Concept Pro Small
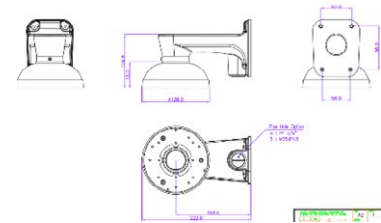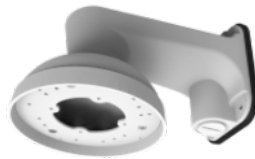Junction Box

CP-PM-1-V2
CP-PM-1-V2-G

Concept Pro Small
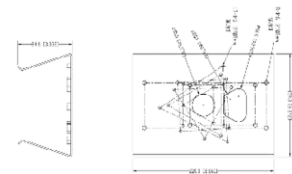Pendant Mount

CP-WM-1-V2
CP-WM-1-V2-G

Concept Pro Small
Wall Mount

CP-PLM-V2

Concept Pro Pole Mount
(can be combined with
CP-BASE-1-V2)

CP-CM-V2

Concept Pro Corner Mount
(can be combined with
CP-BASE-1-V2)