



## SYMMETRY™ NETWORK IP CAMERAS

The Symmetry range of Network IP cameras bring significant benefits to surveillance applications. With the compact design and superior image quality, the range provides optimal performance for all required applications.

All Symmetry fixed cameras have over 540 TV lines, real time full frame rate (25 FPS PAL / 30 FPS NTSC) and DI resolution, the highest non-megapixel standard available, guaranteeing the best possible performance and image quality within budget.

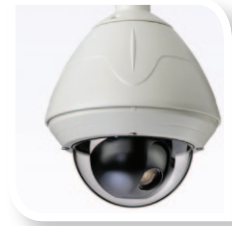
Easy installation and increased reliability is enabled by onboard support for Power over Ethernet, eliminating the need for any additional power supply. Efficient operation allows ease of monitoring, management and maintenance, reducing the demand on time and resources. Cost savings are also introduced as multiple or complex sites can be monitored from one central location.

Use the Symmetry network IP cameras in combination with Symmetry Video Management software to deliver a complete high performance, seamless video solution.

The Symmetry camera range includes internal, external and pan / tilt / zoom cameras. The external models are manufactured from polycarbonate, creating a vandal proof exterior ideal for outdoor security requirements.

### KEY FEATURES

- Power over Ethernet Network IP Cameras
- MPEG-4 Video Compression
- 25 / 30 FPS @ DI Resolution
- Hardware Deinterlacing
- Text On Screen Display Overlay
- Sony 1/3" Super HAD CCD
- Horizontal Resolution more than 540 TVL
- True Day / Night (ICR)
- Improved Color Rolling Suppression
- Includes AGC, EE / AI, BLC, FLK
- DI, 2CIF, CIF, QCIF Resolution
- Motion Detection
- 1 / 60 ~ 100,000 (NTSC) / 1 / 50 ~ 100,000 (PAL) Shutter
- Automatic White Balance
- 525 Lines (NTSC) / 625 Lines (PAL), 2:1 Interlace
- NTSC – 768 × 494 / PAL – 752 × 582 Effective Pixels



SPECIFICATIONS	EN-7110	EN-7310	EN-7350	EN-7450
Indoor / Outdoor	Indoor	Indoor	Outdoor	Outdoor
Pan / Tilt / Zoom	No	No	No	Yes
Day / Night	Yes	Yes	Yes	Yes with removable IR cut filter
Vandal Proofed	No	No	Yes	Yes
Image Sensor	Sony 1/3" Super HAD CCD	Sony 1/3" Super HAD CCD	Sony 1/3" Super HAD CCD	Sony 1/4" Super HAD CCD
TV System	NTSC (EN-7110-N) PAL (EN-7110-P)	NTSC (EN-7310-N) PAL (EN-7310-P)	NTSC (EN-7350-N) PAL (EN-7350-P)	NTSC (EN-7450-N) PAL (EN-7450-P)
Horizontal Resolution	540TVL	540TVL	540 TVL	NTSC - 470TVL / PAL - 460TVL
Min Illumination	0.05 Lux	0.05 Lux	0.05 Lux	25X DN 1.0 Lux (30 IRE); D /N Off (Color); 0.1 Lux (30 IRE) ; D / N On (B & W) 0.01 Lux; Slow Shutter X 128 On, 0.001 Lux (30 IRE); D / N on (B & W) + DSS
Lens	3 - 8mm varifocal auto-iris (Day / Night) C / CS Mount	4 - 9mm varifocal auto-iris (Day / Night)	4 - 9mm varifocal auto-iris (Day / Night)	25X Optical (Day / Night) F1.6 f=3.8-95mm)
S/N Ratio	> 48 db	> 48 db	> 48 db	50 db
Gamma Correction	0.45	0.45 or I (selectable)	0.45 or I (selectable)	0.45 or I (selectable)
Video Output (loop out)	VBS 1.0 Vp-p Composite BNC	VBS 1.0 Vp-p Composite BNC	VBS 1.0 Vp-p Composite BNC	VBS 1.0 Vp-p Composite BNC
Functions	AGC, EE / AI, BLC, FLK	AGC, EE / AI, BLC, FLK	AGC, EE / AI, BLC, FLK	AGC, EE / AI, BLC, FLK
Power	Power Over Ethernet (802.3af) or 12VDC 1A (100-240VAC 12V supply included)	Power Over Ethernet (802.3af) or 12VDC 700mA (100-240VAC 12V supply included)	Power Over Ethernet (802.3af) or 12VDC 700mA (100-240VAC 12V supply included)	24VAC
Operating Temperature	32°F - 140°F (0°C - 60°C) Up to 85% RH	32°F - 140°F (0°C - 60°C) Up to 85% RH	32°F - 140°F (0°C - 60°C) Up to 85% RH	-4°F - 160°F (-20°C - 71°C) Built-in heater
Color	Body: Silver Front & Rear: Dark Grey	Ivory	Ivory	Ivory
Dimensions	W: 2.68in (68mm) H: 3in (74mm) D: 5.24in (133mm)	W: 5.31in (135mm) H: 4.53in (115mm)	W: 5.51in (140mm) H: 4.41in (112mm)	W: 10.79in (274mm) H: 11.67in (296.5mm)

## PURCHASING INFORMATION

- EN-7110
- EN-7310
- EN-7350
- EN-7450
- IPTZ-532W - Bracket available for EN-7450



G4S Technology

[www.g4stechnology.com](http://www.g4stechnology.com)