



December 2004

## ACM574TPX / ACM575X ACCM484TPX / ACCM485TPX High Resolution DSP Colour and Monochrome Systems Camera Range

Honeywell Video systems series cameras are the first choice for any video surveillance applications that require exceptional levels of performance and reliability.

Ideal for use with Digital Video Recorders, this range of high sensitivity systems cameras offer features such as Digital Signal Processing (DSP), Back Light Compensation (BLC), Discrete Cosine Transfer (DCT) feature to reduce signal noise in low light which maximises the compression of images when used with digital equipment and Peak White Inversion (PWI) to eliminate the effect of point sources of light that would normally cause the lens iris to close such as car headlamps.

Honeywell systems cameras also offer the ultimate flexibility, giving installers the choice of connecting via coax or unshielded twisted pair (UTP) wiring with the module.

Available in high resolution colour and monochrome versions in both low and mains voltage, the Honeywell Systems cameras provide the perfect choice for professional installers.

### Features

- NVT twisted pair video output terminals (ACM 574 TPX, ACCM484TPX and ACCM485TPX models)
- Peak White Inversion (PWI)
- Discrete Cosine Transfer switch (DCT)
- Selectable, 8 window, BLC
- 1/3" interline transfer CCD
- Internal and line lock synchronisation
- C and CS lens mount
- Toolless back focus adjustment with adjustment points top and bottom
- Gamma selection 0.45 for increased visibility in darker areas of a scene and 1.0 for a more linear response
- Automatic Gain Control (AGC) to improve camera sensitivity when scene illumination is low
- Electronic Iris (EI) to compensate for varying light levels when using manual iris lenses internally
- Supports direct drive and auto-iris lenses
- Integral chroma suppression under low light conditions. (ACCM484TPX only)

**ACM574TPX / ACM575X  
ACCM484TPX / ACCM485TPX  
High Resolution  
DSP Colour and Monochrome  
Systems Camera Range**



Datasheet

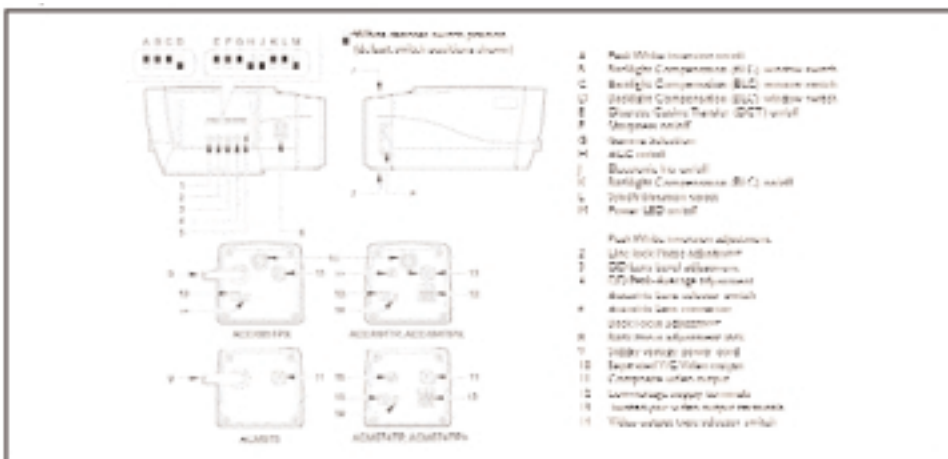
**Technical Specification**

	ACM574TPX	ACM575X	ACCM484TPX	ACCM485TPX
Colour or Mono	Monochrome	Monochrome	Colour	Colour
Image Sensor	1/3" ILT CCD	1/3" ILT CCD	1/3" ILT CCD	1/3" ILT CCD
Resolution	570TVL	570TVL	480TVL	480TVL
Effective Pixels	752(H) x 582(V)	752(H) x 582(V)	752(H) x 582(V)	752(H) x 582(V)
Sensitivity	0.1 Lux @ F1.2	0.1 Lux @ F1.2	0.7 Lux @ F1.2	0.7 Lux @ F1.2
Signal to Noise Ratio	50dB (AGC Off)	50dB (AGC Off)	48dB (AGC Off)	48dB (AGC Off)
Digital Signal Processing	DSP	DSP	DSP	DSP
Video Output	1Vp-p 75 Ohms	1V p-p 75 Ohms	1V p-p 75 Ohms	1V p-p 75 Ohms
Adjustable Gamma	0.45 and 1.0	0.45 and 1.0	0.45 and 1.0	0.45 and 1.0
Automatic Gain Control	Selectable on/off	Selectable on/off	Selectable on/off	Selectable on/off
Backlight Compensation	8 User Selectable Window			
Discrete Cosine Transfer	DCT Switch – Selectable on/off			
Scanning System	PAL: 625 Lines 2:1 Interlace			
Auto Iris Lens Typ	Selectable for Direct Drive or Video Drive			
Iris Control Range	1/50 - 1/100000 second			
Sync System	AC Line Lock or internal oscillator			
Lens Mount	C/CS Mount with adjustable back focus			
Twisted Pair Output	Yes	No	Yes	Yes
Operating Temperature	-10°C to 60°C	-10°C to 50°C	-10°C to 60°C	-10°C to 50°C
Storage Temperature	-10°C to 70°C			
Humidity	Operating: 20% to 80% Storage: 20% to 90% RH (non-condensing)			
Weight	0.3 Kg	0.4 Kg	0.3 Kg	0.4 Kg
Power Consumption	Less than 5 Watts	Less than 5 Watts	Less than 5 Watts	Less than 5 Watts
Power Requirements	20-29VAC 60Hz or 11-28 VDC	98-260 VAC 50-60Hz	20-29VAC 60Hz or 11-28 VDC	98-260 VAC 50-60Hz

The manufacturer reserves the right to alter the specification of products without prior notice.

**Ordering**

ACM574 TPX	High resolution monochrome low volt DSP camera with twisted pair output
ACM575X	High resolution monochrome mains volt DSP camera
ACCM484TPX	High resolution colour low volt DSP camera with twisted pair output
ACCM485TPX	High resolution colour mains volt DSP camera with twisted pair output



**Honeywell Security (UK Head Office)**

Aston Fields Road, Whitehouse Industrial Estate,  
Runcorn, Cheshire. WA7 3DL

t: +44 (0)1928 754040 f: +44 (0)1928 754041

**Honeywell Security (UK Southern Office)**

Unit 4, Barnes Wallis Court, Cressex Business Park,  
High Wycombe, Buckinghamshire HP12 3PS

t: +44 (0)1494 493600 f: +44 (0)1494 493636