Product Information

HDI-22E

Economy Colour High Speed Dome Camera with 22 x Zoom and 480 Horizontal Lines Resolution

Product Data

- 1/4" high speed dome camera in compact housing ($\varnothing$ = 14.5 cm)
- 480 horizontal lines resolution
- panning speed of up to 360° / second
- 100 preset positions
- backlight function
- sensitivity to light 0.8 Lux / F 1.6
- 22 x zoom (3.9 – 86 mm)
- flexible mounting (even outdoors)

Description

The Economy 1/4" High Speed Dome Camera HDI-22E from videotronic infosystems combines an excellent scope of functions with brilliant picture quality.

With its resolution of 480 horizontal lines it can reproduce even finest details in the video picture. Combined with its 22 x zoom lens (50.9° - 2° horizontal angle of view) this results in a large monitoring area for this camera. This makes it possible to secure even large areas at small system cost.

During manual panning the speed of the dome is automatically adjusted in correlation to the lens position (tele = slow travel) for precise control. This makes it possible to travel with the HDI-22E to all positions in an easy and swift way. In preset operation the dome can automatically travel to up to 100 different - previously stored - positions with a speed of 360° / second.

The camera has a high sensitivity to light of 0.8 Lux / F1.6 and therefore can operate in areas with bad lighting conditions. A built-in backlight function results in video pictures which are high in contrast even in case of backlight.

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The compact dome camera (∅ = 14.5 cm) is suitable for ceiling or pendant ceiling mount and can be controlled via the RS485 Bustronic system, e.g. via a keyboard or a central matrix.

Weatherproof (IP66) outdoor housings are available for different types of mounting.

The HDA-G/S allows to mount the cameras e.g. under ledges.
The housing is IP66 protected and fitted with fan and heater. The housing's mounting base houses all connections for the signals and the power supply unit that provides the operating voltage.

A HDA-G/W housing is used for mounting the camera to a wall.
The housing is IP66 protected and fitted with fan and heater. The housing's mounting base houses all connections for the signals and the power supply unit that provides the operating voltage.

The MA-HDA-G/W adapter is used for mounting the HDA-G/W wall housing to poles.

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Technical Specifications

Camera Type	HDI-22E
Sensor	1/4" Interline Transfer 752 (h) x 582 (v) pixels (effective)
Resolution	480 horizontal TV lines
Sensitivity to light	0.8 lux / F1.6 / 0.07 lux at the faceplate
Focal range	3.9 mm (50.9°) – 86 (2°) mm / F1.6
Enhancer	yes
Gamma correction	0.45
Signal-to-noise-ratio	> 50 dB (AGC off)
AGC	20 dB (AGC on) / 8 dB (AGC off)
Backlight function	yes (switchable)
Preset function	100 positions
Manual pan / tilt speed	2° - 50° / second
Preset position speed	max. 360° / second
Pan range	360°
Tilt range	-5° to +95°
Pan/tilt accuracy	+/- 0.25°
Zoom accuracy	+/- 0.25 %
Synchronisation	internal
Automatic circuits for gain / pedestal	yes
Scanning system	PAL, 625 lines, 50 Hz
Video output signal	FBAS 1 Vpp / 75 Ohm
Operating voltage / Consumption	12 VDC via PSU (included in the scope of delivery) 90 – 260 VAC / 13 W
Interface	BUSTRONIC RS485
Alarm inputs / outputs	6 / 1
Operating temperature	- 5° C to + 50° C
Humidity	up to 90 %
IP rating	IP 40 / class I
EMI	acc. to EN50081-1, EN5011 class B
EMC	acc. to EN 50082-2, EN 50204, EN61000-4-2,-3,-4,-6, EN50130-4
Safety	acc. to EN 60950, EN 60065
Mounting options	ceiling mount, pendant ceiling mount, wall mount
Weight / Housing colour	2.5 kg (5 kg with outdoor housing) / grey
Housing material	plastic
Dimensions (diameter x height)	145 x 208 mm

Housing type	HDA-G/S	HDA-G/W
Operating Voltage / Consumption	12 VDC via PSU 90 - 260 VAC / 7.5 W	
Alarm inputs / output	6 / 1	
Serial interface	BUSTRONIC RS485	
Operating temperature	-20° C up to +50° C	
Air humidity	up to 90%	
IP rating	IP 66 / class I	
EMI	acc. to EN50081-1, EN5011 class B	
EMC	acc. to EN 50082-2, EN 50204, EN61000-4-2,-3,-4,-6, EN50130-4	
Safety	acc. to EN 60950, EN 60065	
Mounting options	ceiling mount / under ledges: HDA-G/S; wall mount: HDA-G/W; pole mount HDA-G/W plus MA-HDA-G/W	
Weight / Housing colour	2.5 kg (5 kg with dome unit) / grey	
Housing material	plastic / junction box: metal	
Dimensions (diameter x height)	250 x 340 mm	

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