

Features

- 35x optical zoom/12x digital zoom
- Day/night with IR-cut filter
- Wide dynamic range
- Backlight compensation
- Electronic image stabilisation
- 400°/second preset targeting
- 360 degree continuous rotation
- 256 presets/8 programmable cruises
- Contact closures (alarms) 8x in/1x out
- 24VAC



HD16AWDR

PTZ Dome with D/N and WDR (Outdoor)

Description

The Siquira® HD16AWDR ensures excellent high-resolution pictures (540 TVL) even under the most difficult circumstances by offering features such as day/night, digital slow shutter, wide dynamic range, and image stabiliser.

High-speed dome

The HD16AWDR high-speed PTZ dome camera combines a 35x autofocus zoom lens with 12x digital zoom. Precision 400° per second pan and tilt drive technology offers almost instant preset positioning. This camera's robust feature set includes multiple sequences, cruises, and autopan functions.

Day/night and digital slow shutter

Under poor light conditions, this high-speed dome automatically becomes infrared-sensitive by removing the IR-cut filter. This day/night feature ensures that even in minimal light the camera still produces clear images. The digital slow shutter increases the camera's light sensitivity by delaying the shutter.

Backlight compensation and wide dynamic range

In situations where the observed object is unclear due to being under- or overlit (such as in a hallway entrance with many windows), backlight compensation improves image exposure by using the light near the object as a reference. Wide dynamic range solves the problem of overlit images by taking the best of two pictures with different light references.

Image stabiliser

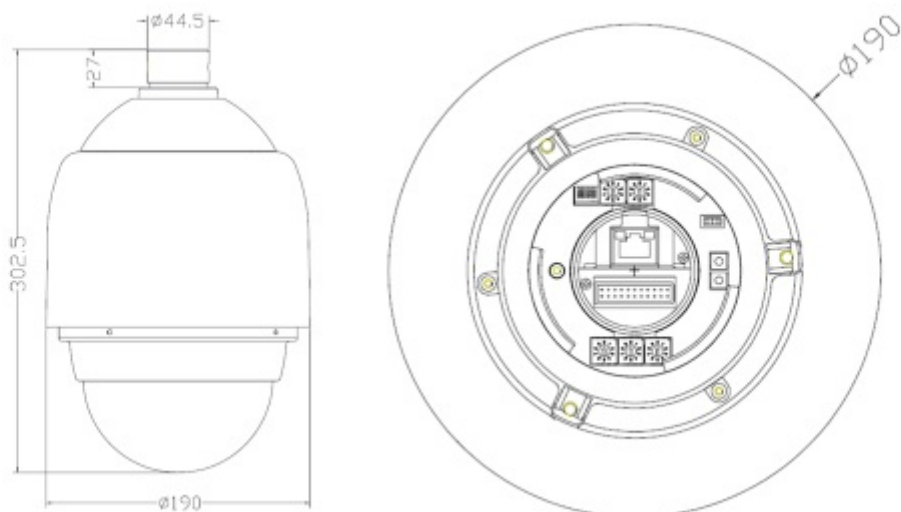
When the camera is in its maximum zoom range, every small movement of the camera gives relatively large movement in the picture. The image stabiliser digitally compensates this movement for a stable picture. This feature is especially useful for pole-mounted cameras.

Privacy masks

Privacy masks cover sections of the image. This feature is often requested for such situations as city centre surveillance and point of sale keypads.

Technical Specifications

HD16AWDR



Camera

Image sensor	1/4" Exview CCD
Image resolution - horizontal	540TVL
Effective pixels	380k (NTSC)/440k (PAL)
Electronic shutter	1~1/30ks.
Signal-to-noise ratio	>50dB (AGC off)
Synchronisation system	Internal/line lock
Minimum scene illumination	0.1 lux colour, 0.01 lux (b/w)
Video output	1 Vpp, 75Ω BNC (gold-plated center pin)
Focal length	3.4~119mm
Focus mode	Auto/manual

Image control

Wide dynamic range	On/off
Backlight compensation	On/off
Iris control	Auto/manual
Automatic gain control	Auto/manual
Day/night (IR-cut filter)	On/off
Digital slow shutter	On/off (ratio, shutter, iris levels 0-128)
Motion detection	On/off
Digital zoom	12x
Optical zoom	35x

Functions

Privacy masks	8 black/white/mosaic (3 levels)
Electronic image stabiliser	On/off (ratio, shutter, iris levels 0-128)

Technical Specifications

HD16AWDR

Network

PTZ control interface(s)	RS-485
PTZ control protocols	Pelco-D (bidirectional), Pelco-P, Kalatel, Philips, AD422

Pan / Tilt

Pan travel	360° continuous
Tilt travel	-10°~190°
Preset speed	400°/s
Manual speed	0.5°~90°/s
Presets	256 presets
Preset accuracy	+/- .100°
Cruise	8
Sequence	8
Auto pan	4
Proportional pan and tilt	On/off
Resume after power loss	Yes
Zone title	16
Home function	Preset, sequence, auto pan, cruise
Auto flip	Digital, mechanical, off

Contact closures

Inputs	8
Outputs	1
Reactions	Preset, sequence, auto pan, cruise

Powering

Power consumption	65W (with heater)
Power	19.2 - 28.4VAC (24 VAC nominal +/- 20%)

Environmental

Operating temperature	-45 °C to +50 °C (-49 °F to +122 °F); 60°C maximum
Ingress protection	IP66

Mechanical

Dimensions	Ø190 x 302.5mm (7.5 x 11.9in)
Weight	2.6kg (5.7lbs)
Colour	RAL 9003 (signal white)

Technical Specifications

HD16AWDR

Ordering information

Models	Description
HD16AWDR/N	High-speed PTZ dome camera, wide dynamic range, day/night, IP66, including sunshield (NTSC)
HD16AWDR/P	High-speed PTZ dome camera, wide dynamic range, day/night, IP66, including sunshield (PAL)
PA03 /EU	Power supply, 230VAC to 24VAC, tinned leads, 3.0A, outdoor (IP66)
PA03 /US	Power supply, 110VAC to 24VAC tinned leads, 3.0A, outdoor (IP66)
WM01A/HD	Mini wall mount for HD/HSD series
WM02/HD	Tube adapter for indoor MD10x/620 and HD-series, compatible with CM01/02, WM01A, WM07A, PTM01
WM07A	Gooseneck tube
WM05	Corner plate, compatible with WM01A and WM07A
WM06	Wall box mounting, compatible with WM01A and WM07A
PM01	Pole thin direct mounting, compatible with WM01A and WM07A
PM02	Pole wide direct mounting, compatible with WM01A and WM07A
PM03	Pole thin box mounting, compatible with WM01A and WM07A
PM04	Pole wide box mounting, compatible with WM01A and WM07A
PM05	Swan neck tube
PTM01	1-1/2" pipe thread adapter



The quality management system used in the development, production, sales, and support of this product is ISO 9001:2008 certified by LRQA.

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