

CCDA1455

High-Speed Dome Camera

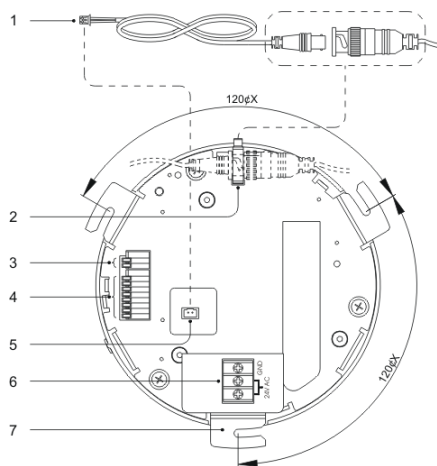
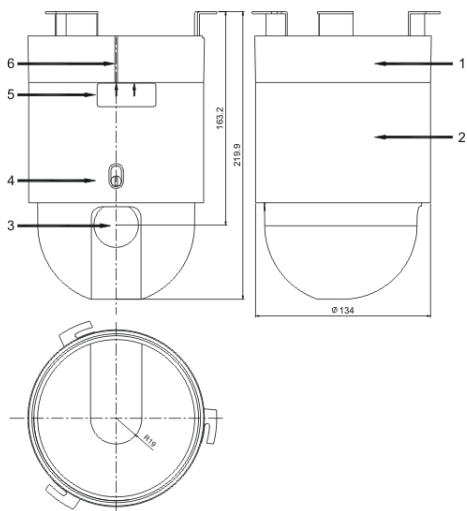
VANDERBILT



The Vanderbilt high-speed dome camera range includes two day/night models with exceptional low-light performance. A mechanically removable IR-cut filter allows the day/night dome cameras to provide excellent colour picture quality in the day mode and crisp, clear monochrome images in the night mode. All camera models include comprehensive features and are very easy to operate, thanks to macro/preset commands that quickly access the dome configuration menus. Setting up a camera from a remote keyboard has never been easier. A wide range of accessories is available and will meet most installation requirements.

Key features include:

- High-speed dome camera (pan speed max. 400 °/s)
- High resolution 1/4" dome camera (day/night models up to 530 TVL)
- Day/night models support wide dynamic function
- High Low-light sensitivity: up to 0.7 lx (colour); 0.01 lx (b/w) IR-sensitive
- Up to 36x optical zoom (3.4 – 122.4 mm), 12x digital zoom
- Motion detection and object tracking
- 8 user-definable privacy zones
- Programmable tours and presets
- Remote camera setup via OSD
- 20 characters preset titles
- 4 alarm inputs with AAM-function (Advanced Alarm Management)
- Proportional pan/tilt speed
- Multiple protocols for remote configuration
- Wide range of accessories and easy installation
- Compliant with RoHS



Legend

Figure left

- 1 Dome Base
- 2 Dome
- 3 Lens
- 4 Screw for cover
- 5 Positioning label
- 6 Notch

Figure right

- 1 BNC extension cable
- 2 BNC connector holder
- 3 Terminal control (RS485)
- 4 Alarm IN/OUT
- 5 Video out connector
- 6 Terminal power (24V/AC)
- 7 Installation brackets

Technical data

CCDA1455-DN28

CCDA1455-DN36

Electrical

Power requirements 24 V AC \pm 10 %; 50 Hz

Power consumption 20 VA

Functional

Pan speed (manual control) 0.1 – 90.0 °/s
 max. dig. zoom: 0.1 °/s
 max. opt. zoom: 0.4 °/s

Tilt speed (manual control) 0.1 – 45.0 °/s
 max. dig. zoom: 0.1 °/s
 max. opt. zoom: 0.4 °/s

Preset pan/tilt speed pan: max. 400 °/s
 tilt: max. 200 °/s

Speed control zoom-proportional:
 on/off

Pan range 360° continuous rotation

Tilt range 85° "indoor" setting; 92° "outdoor" setting

Pan/tilt limits user-definable

Zoom 336x 432x

Auto flip on/off

Optical zoom 28x 36x

Digital zoom	12x	
Zoom stop	36x, 72x, 144x, 288x, 432x	
Programmable presets	64	
Programmable tours	4	
Programmable privacy zones	8	
Scan function	selectable: random, frame or auto-scan	
Synchronisation	internal: crystal external: line lock; phase adjustable	
Alarm inputs	4 (linked to definable functions)	
Alarm outputs	1 (NO/NC)	
Motion detection	yes	
Object tracking	yes	
OSD menu	English	
Preset characters	max. 20	
Password protection	alphanumeric dome OSD setup protection	
Camera		
Image sensor	1/4" Ex-View CCD	1/4" Ex-View CCD
Pixels	752 H x 582 V	
Television standard	PAL, 625 lines, 50 fields, 25 frames, 2:1	PAL, 625 lines, 50 fields, 25 frames, 2:1
Interlace	horizontal: 15.625 kHz vertical: 50 Hz	
Video output	CVBS: 1.0 V _{PP} , 75 Ω	
S/N ratio	> 50 dB (typical)	
Horizontal resolution	530 TV lines	530 TV lines
Minimum illumination	Col.: 0.65 lx (F1.35 ; 1/50 s) B/W: 0.01 lx (F1.4; 1/3 s)	Col.: 1.0 lx (F1.6 ; 1/50 s) B/W: 0.01 lx (F1.4; 1/3 s)
White balance control	ATW (2000 – 10000 °K), auto (3000 – 7500 °K); one push	
Automatic gain control	yes	
AE compensation	auto, manual, BLC	

EV compensation	-10.5 to +10.5 dB (15 steps)	
Back light compensation	on/off	
Wide dynamic	on/off	on/off
Shutter speed	auto: 1/1 – 1/10,000 s manual: 22 steps	auto: 1/1 – 1/10,000 s manual: 22 steps
Auto slow shutter	on/off (max. 1.0 s)	on/off (max. 1.0 s)
Focusing system	auto sensitivity: normal, low	
Focus type	auto/manual/interval/ zoom trigger	
Day/night function	mechanical IR-cut filter (auto/off)	mechanical IR-cut filter (auto/off)
Privacy zones	8, user-definable	
Lens		
Focal length	3.5 – 91.0 mm	3.4 – 122.4 mm
Angle of view	2.1 – 55.8°	1.7 – 57.8°
Maximum relative aperture	F1.35 – F3.7	F1.6 – F4.5
Remote control		
Stop time	1 – 120 s	
Interface	RS485 (2-wire)	
Baud rate	2400 bps, 4800 bps, 9600 bps, 19200 bps; DIP-switch selectable	
Protocols*	FIELDBUS, Vanderbilt, PELCO-D/P, VCL, KALATEL, VICON, ERNITEC, SENSORMATIC RS485, MONLYNX-D; DIP-switch selectable	
Mechanical / environmental		
Dimensions (Ø x H)	134.0 x 219.9 mm	
Weight	1.8 kg	
Temperature range, operating	0 to +50 °C	
Temperature range, storage	-20 to +60 °C	

* Note: 3rd party protocols may be subject to changes without notice.

Details for ordering

Type	Part no.	Designation	Weight*
CCDA1455-DN28	V54561-C103-A100	1/4" Dome D/N 28x	1.8 kg
CCDA1455-DN36	V54561-C104-A100	1/4" Dome D/N 36x	1.8 kg
