

TurboHD™ Solutions

Enjoy HD with existing cabling using Hikvision's TurboHD HD-TVI technology that provides high definition (HD) video up to 4K over coaxial cable at distances up to 2,600 feet. Specially designed for analog users who want a high-definition surveillance system, this product line allows users to enjoy HD without upgrading to IP or replacing their existing cabling structures. Delivering impressive image quality, this camera line offers incredibly durable, vandal-proof products with features such as industry-leading H.265+ video compression, OSD menu via Up-the-Coax (UTC), EXIR 2.0 illumination, motorized zoom and focus and 120 dB WDR.

The TurboHD Plug and Play DVR products offer several models scalable for small to medium-sized businesses with 4 to 32 channels. All TurboHD DVRs are tribrid— a true revolution in the professional surveillance market— supporting traditional analog (CVBS), HD-TVI, and IP cameras. Thanks to autosensing technology, installation is extremely easy. These DVR products also provide H.265 and Hikvision's unique H.265+ video compression and up to 48 TB of recording space, with some models supporting 8 TB HDD capacities. DVRs support remote monitoring via iVMS-4200 and the iVMS-4500 app.



**5 MP EXIR
Fisheye Camera**
DS-2CC52H1T-FITS

An analog HD-TVI fisheye lens camera offering 5 MP resolution and a number of virtual PTZ and panoramic views for maximum scene coverage with audio support.



**5 MP Ultra-Low Light
EXIR 2.0 Vandal-Proof
PoC Dome Camera**
DS-2CE56H5T-VPIT3ZE

Our premiere Dome camera offering 5 MP resolution, 2.8 mm – 12 mm motorized varifocal lens, vandal-proof housing, PoC, robust IP67/IK10 environmental protection and UTC (up the Coax) OSD (On Screen Display) of the menu system.



**1080p Ultra-Low Light
EXIR 2.0 Vandal-Proof
PoC Dome Camera**
DS-2CC52D9T-AVPIT3ZE

A premiere dome camera offering 1080p resolution, ULL lux rating of 0.003 @ f/1.2, 2.8 mm – 12 mm motorized varifocal lens, vandal-proof housing, PoC, robust IP67/IK10 environmental protection and UTC (up the Coax) OSD (On Screen Display) of the menu system.



5 MP OUTDOOR DOME
DS-2CE56H1T-AVPIT3Z
PAGE 51



01. HIGHER RESOLUTION: 5 AND 8 MP (4K)

Cameras and DVR series support higher HD-TVI resolution input and output up to 4K UHD HDMI.

02. BETTER VIDEO COMPRESSION

H.265/H.265+ industry-leading technology reduces bandwidth and storage requirements by up to a factor of 4.



03

03. LONGER VIDEO TRANSMISSION DISTANCES

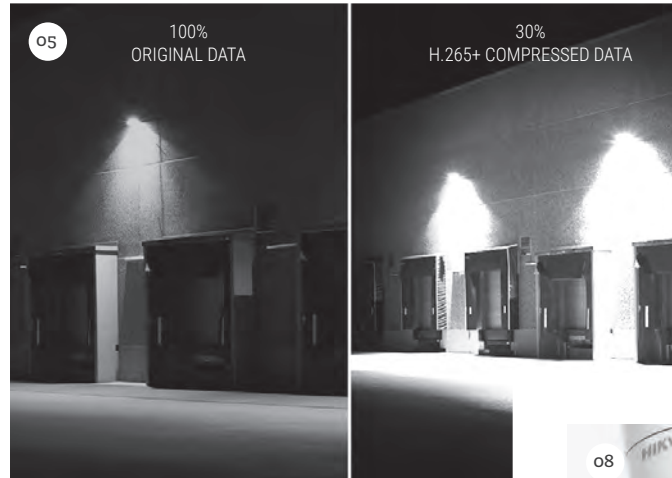
TurboHD uses HD-TVI technology that provides longer video transmission distances of video and digital data from camera to DVR over standard non-HD video distances.



OUTDOOR BULLET
DS-2CE16D1T-IT1
PAGE 52

04. ULTRA-LOW LIGHT IMAGING PERFORMANCE

Hikvision now offers Ultra Low Light performance cameras with sensitivity specifications as low as 0.003 lux.



05

100%
ORIGINAL DATA

30%
H.265+ COMPRESSED DATA



06

5 MP OUTDOOR FISHEYE
DS-2CC52H1T-FITS
PAGE 51

05. EXIR 2.0 TECHNOLOGY

Advanced IR Illumination technology provides intelligent focused light to optimize scene illumination, increase reliability, all in a small package size.

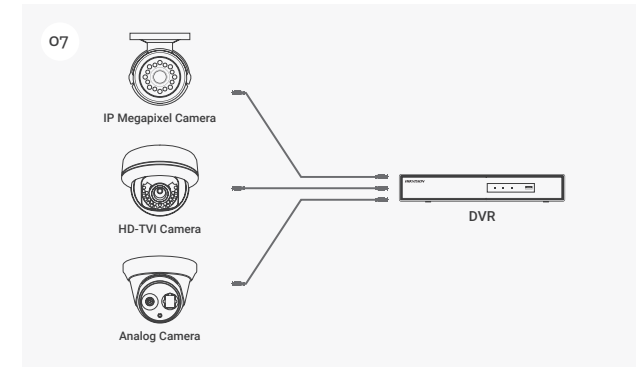


08

OUTDOOR TURRET
DS-2CE56x5T-VFIT3
PAGES 54-55

06. INTEGRATED FISHEYE CAMERA

An analog Fisheye lens camera provides a number of virtual PTZ and panoramic views that support audio and image resolution to 5 MP.



07

IP Megapixel Camera
HD-TVI Camera
Analog Camera

DVR

07. TRIBRID TECHNOLOGY

The tribrid approach allows DVR auto-detection and instant imaging of standard analog cameras, TurboHD (HD-TVI) cameras, and standard IP cameras.

08. INTEGRATED POWER OVER COAX (POC)

Selected cameras and DVR series support camera power over the video coaxial cable, eliminating the need for individual camera power supplies and providing hot-standby, dual source camera power.



TurboHD™ 4.0 TRIBRID DVR - VALUE SERIES
TurboHD™ 3.0 TRIBRID DVR - VALUE SERIES

	DS-7204HUI-K1/P Power over Coax (PoC)	DS-7208HUI-K2/P Power over Coax (PoC)	DS-7216HUI-K2	DS-9008HUI-F8/N	DS-9016HUI-F8/N
Model					
Max. Recording Resolution	5 MP	5 MP	5 MP	3 MP	3 MP
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.264+/H.264	H.264+/H.264
HDMI/VGA Output	1920 × 1080	3480x2160/1920x1080	3480x2160/1920x1080	3480x2160/1920x1080	3480x2160/1920x1080
Spot Monitor Output (BNC)	Yes	Yes	Yes	Yes	Yes
Analog Input	4-Ch 1.0 Vp-p 75 Ω	8-Ch 1.0 Vp-p 75 Ω	16-Ch 1.0 Vp-p 75 Ω	8-Ch 1.0 Vp-p 75 Ω	16-Ch 1.0 Vp-p 75 Ω
Video Standard	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)
Audio Input/Output	4-ch/1-ch	4-ch/1-ch	4-ch/1-ch	8-ch/1-ch	16-ch/1-ch
Alarm Input/Output	4/1	8/4	16/4	16/4	16/4
USB 2.0	2	1 USB2.0 + 1 USB3.0	1 USB2.0 + 1 USB3.0	Front panel: 2 × USB 2.0, Rear panel: 1 × USB 3.0	Front panel: 2 × USB 2.0, Rear panel: 1 × USB 3.0
RAID Support	---	---	---	Yes, RAID 0, 1, 5, 6, 10	Yes, RAID 0, 1, 5, 6, 11
Internal SATA	1 (up to 8 TB each)	2 (up to 8 TB each)	2 (up to 8 TB each)	8 (up to 6 TB each)	8 (up to 6 TB each)
Max. Internal Storage	8 TB	16 TB	16 TB	48 TB	48 TB
Support DVD-RW	---	---	---	Yes, front slot	Yes, front slot
Max. fps 720P/1080p/3 MP/4 MP/5 MP HD-TVI	30/30/18/15/12	30/30/18/15/12	30/30/18/15/12	30/30/15	30/30/15
Max. Analog (CVBS) Resolution	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)
Disable Turbo/CVBS Channel/Add IPC	No	No	No	Yes, for ch 11 - 18	Yes, for ch 19 - 32
Hikvision IP Camera Support	2 up to 6 MP	2 up to 6 MP	2 up to 6 MP	10 up to 8 MP	18 up to 8 MP
Front Panel Control	No	No	No	Yes	Yes
OSD Menu—Up-the-Coax	Yes	Yes	Yes	Yes	Yes
eSATA Interface	No	No	No	Support	Support
Turbo Channel VCA (Video Content Analysis) ⁶	All channels	All channels	All channels	All channels	All channels
Smart Play	Yes	Yes	Yes	Yes	Yes
Max. Incoming/Outgoing Bandwidth (Mbps)	96	128	128	260	320
Max. Network Streams	128	128	128	128	128
User Names	32	32	32	32	32
Remote User Logins	128	128	128	128	128
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Rack Units	1	1	1	2	2
Power Requirements	12V DC, ≤ 40 W	12V DC, ≤ 60 W	12V DC, ≤ 10 W	12V DC, ≤ 10 W	12V DC, ≤ 10 W

Standards: Complies with ONVIF (Profile S), CGI ASAPI. Contact factory for details.; Command Protocols: Hikvision and Pelco D/P protocols
⁶**Tribrid Smart Suite:** Line Crossing, Intrusion Detection. Turbo channels; VCA supported from Hikvision IP cameras.