

MCLDC™

DTV Vandal dome Camera

1080p True Day/Night DTV Video Transmission for Video Surveillance

SDHM200V/VN • DATASHEET

- DTV Camera for security surveillance usage.
- Vandal Resistant Proof Design. Internal 3 rotation lens axis.
- Provides multi-channel coaxial transmission H.264 stream for distance up to 1000 feet in standard coaxial cabling.
- Color Processing: Automatic exposure, analog gain, digital gain, color balance, gamma correction, backlight compensation, IR low light switching.
- Onboard physical 16 channel selector for pre-installation adjustment.



The SDHM200VN is Digital Television (DTV) Camera that transmit standard Digital Television Video Signal. The benefit of this transmission method allows ease of re-use existing coaxial cabling. In a new installation setup, it is possible to use coaxial cable to transmit HD resolution images back to the DTV receiver (DTV - to IP) or DTV DVR. The device itself provides onboard adjustable channel selector switch for overall ease of installation without software tools. The DTV Camera has up to 16 independent channels capable of individually transmitting at least 1,000 feet of DTV Camera video source to DTV receiver devices.

The Vandal Proof Dome camera is outfitted with metal housing to prevent the lens from becoming damaged when there is possible physical damage to the casing. Vandal Proof design security should be considered in video surveillance for home or business where there are vulnerability to actual physical damages to the surveillance equipments, such as school, airports, warehouse, parking lots, banks, hotels, retail stores.

Key Features

- **2MP (1080p) vandal proof dome IP66 camera**
- **1/2.5" CMOS Imaging Sensor**
- **True day/night capability with built-in auto mechanical IR mechanism**
- **Include a C/CS mount with back focus ring**
- **Tethered female BNC connector for DTV Video Output and Analog Video Output.**
- **Internal autoiris connector and 16 position channel selector**
- **Non-polarized 12VDC/24VAC power input.**
- **30fps@1920x1080, or Dual Stream enable at 24fps@1920x1080 / 24fps@720*480**

TECHNICAL SPECIFICATIONS

Camera	
Models	SDHM200V/VN
Image Sensor	1/2.5-inch CMOS sensor
Sensitivity Range	390nm to 940nm (800-940 IR illumination)
Pixel Dynamic Range Utilization	40dB
Day / Night	True Day/Night switchable IR cut filter
Minimum Illumination	1.0 lux, 0 visible lux with IR illumination
Shutter Speed	1/48,000th second to .25 seconds

Lens	
Mount Type	C / CS-mount (C-mount adapter not included)
Focus Control	Manual
Iris control	Autoiris connector available

Operational	
Encoder and Resolution / Frame Rate	H.264 1920x1080 @ 30FPS H.264 1920x1080 24fps and H.264 720x480 fps (Dual stream)
Image Settings	Video Compression: H.264 (MPEG-4 Part 10/AVC) Configurable H.264 streams framerate / Bitrate Frame Rate Brightness Control Backlight compensation / WDR Mode Backlight compensation level Color Saturation Contrast Sharpness White Balance Mode Backlight Compensation Mode Light Sync: 60hz / 50hz Analog Video Output: NTSC / Pal Mirror Invert 30fps mode

Environmental	
Operating Temperature / Humidity	Operating temperatures: -25° C (-13° F) and 50° C (122° F)

Electrical	
Input Voltage / Current	12V DC or 24VAC
Power Consumption	5W

DTV		
Supported standards	DVB-T	
Control channel	RS-232	
Frequency settings	16 position channel selector	
Transmission distance	Up to 1000 meters with 5C2V or RG-6/U Coaxial Cables	
Channel Frequency Usage	Channel Frequency	Channel Selector Position
	00=177MHz	0
	01=189MHz	1
	02=201MHz	2
	03=213MHz	3
	04=225MHz	4
	05=237MHz	5
	06=249MHz	6
	07=261MHz	7
	08=273MHz	8
	09=363MHz	9
	10=375MHz	A
	11=387MHz	B
	12=399MHz	C
	13=411MHz	D
	14=423MHz	E
	15=473MHz	F

General	
Connectors	Dual BNC Connectors BNC1 - DTV RF Output BNC2 - Analog Video Output Autoiris connector 12VDC/24VAC input
LED Indicators	System and DTV Signal LED indicators
Approvals	CE, FCC, RoHS
Dimensions	5.9"L (150mm) 4.7"H (120mm)
Weight	35.6 Ounces (1010 grams)
Package Dimensions	8.0"L (205mm) 7.7"W (195mm) 6.2"H (158mm)
Package Weight	43.4 Ounces (1230 grams)