PTC-140(W)
HD PTZ Camera

datavideo

Features

- 1/2.8 inch CMOS sensor. Resolution is up to 1920x1080 with frame rate up to 60fps.
- Low Noise CMOS effectively ensures high SNR of camera video. Advanced 2D/3D noise reduction technology is also used to further reduce the noise, while ensuring image sharpness.
- Audio Input Interface
- Supports AAC, MP3 and G.711A audio coding with sampling frequencies of 16000, 32000, 44100 and 48000.
- Supports H.264/H.265 video compressions of resolution up to 1920x1080 with frame rate up to 60fps as well as AAC, MP3 and G.711A audio compressions.
- Supports multiple network protocols such as RTSP and RTMP allowing you to easily link to any streaming media servers.

Overview

The PTC-140 series is a cost-effective SDI/HDMI PTZ camera, which features 1/2.8 inch CMOSsensor, 1920x1080px Full HD resolution 20x optical zoom, 10x digital zoom gives you sharp images no matter where you mount the camera. The PTC-140's onboard streaming encoder can encode up to 2 simultaneous streams to any cloud service, including Datavideo's dvCloud. It supports H.264 /H.265 video compression and dual stream output. Advanced 2D/3D noise reduction allowsyou to create high quality images even in low light conditions.

Recommended Accessories

Datavideo:

- **RMC-180**   PTZ Camera Control Unit
- **RMC-300A** Universal Remote Control Panel
- **RMC-190**   Camera Controller for PTC-140/140T
- **WM-1**   Wall Mount for PTC Video Camera
- **RKM-25**   Wall Mount Vibration Dampener
- **AD-POE140** Convert PTC-140 into a POE Camera
- **AD-POE140K** HD/SD PTZ Video Camera with HDBaseT Technology

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Front Panel

1. LENS - Built-in 1/2.8" 2.07M Pixel CMOS HD color camera with white balance control, backlight compensation, automatic gain and etc.
2. SENSOR FOR REMOTE CONTROL - Remote control IR receiver
3. TALLY LENS - Tally lamp will be turned ON upon receiving the ON signal.

Rear Panel

1. RS-232 Interface (RJ-45) - The RS-232 interfaceconnects PTC-140 to a remote controller or PC for control purpose. Use anEthernet cable to connect external RS-232 controllers.
2. RS-422/RS-485INTERFACE(RJ-45) - The RS-485 interface serves to connect externalRS-422/RS-485 devices.Use an Ethernet cable to connect external RS-422/RS-485 controllers.
3. Audio IN- The3.5mm audio input receives external audio.
4. 3G-SDI OUT - The 3G-SDI OUTallows you to connect an external monitor via an SDI cable.
5. HDMI OUT - The HDMI OUT allows you to connectan external HDMI monitor via an HDMI cable.
6. LAN Port - This port allows you to establish network connection with the camera. Connect anEthernet cable from this port to theLAN portof a PCin order to monitor the camera video from the web userinterface.The LAN port also allows youto stream the camera video usingvarious streamingprotocols.
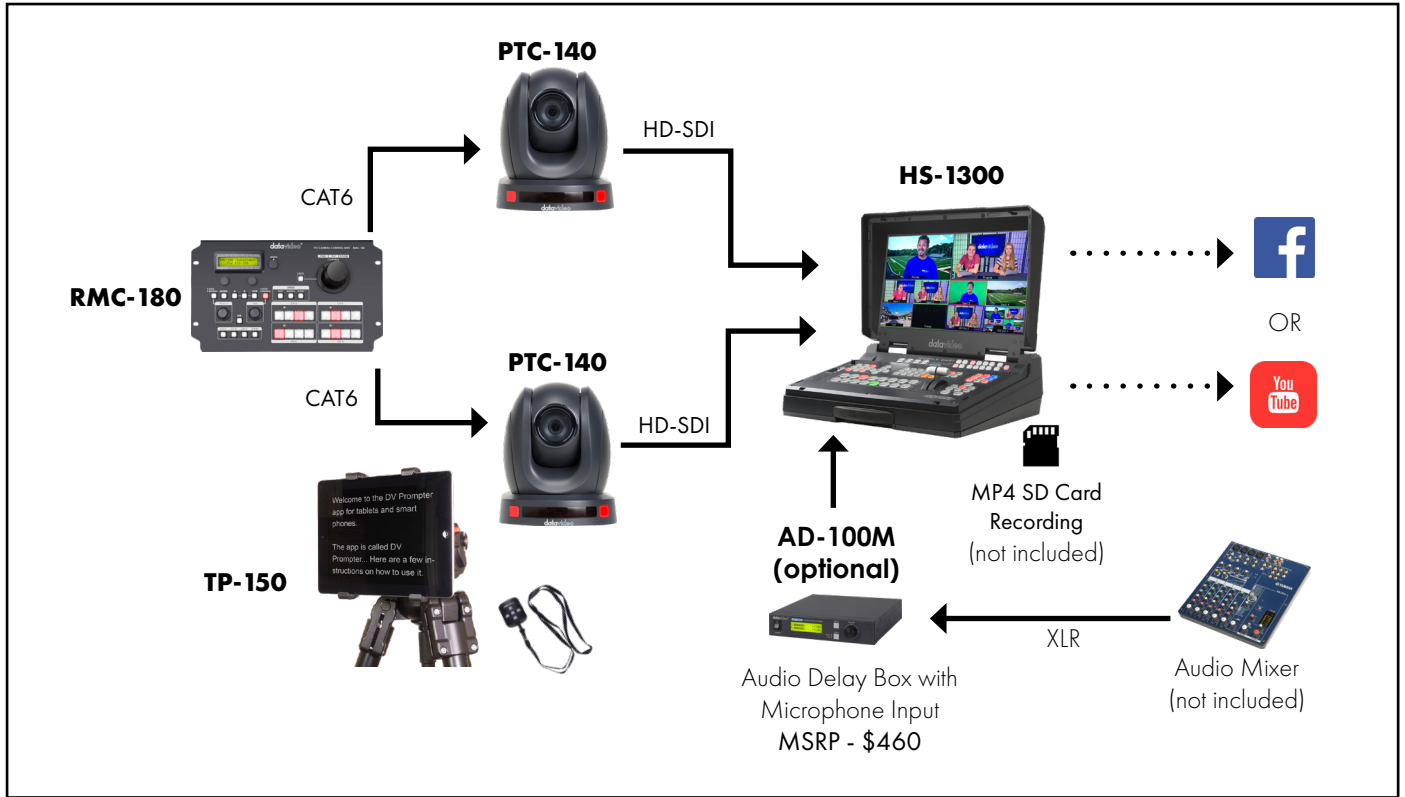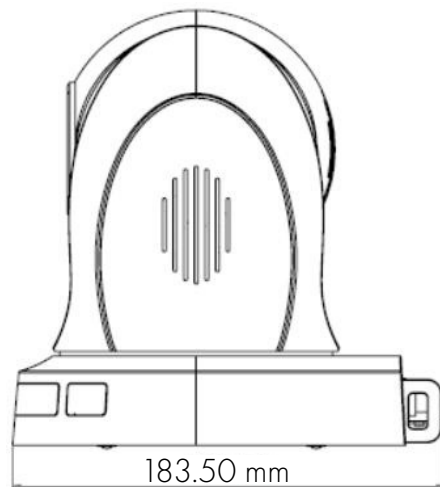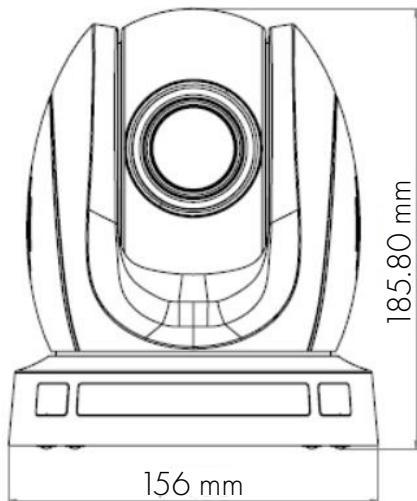7. Power Input -

Compatibility

PTC-140(W)
HD PTZ Camera

PTC-140

HD-SDI

HS-1300

CAT6

RMC-180

CAT6

PTC-140

HD-SDI

OR

TP-150

AD-100M
(optional)

MP4 SD Card
Recording
(not included)

Audio Delay Box with
Microphone Input
MSRP - $460

XLR

Audio Mixer
(not included)

Dimensions

All measurements in millimeters (mm)

185.80 mm

156 mm

183.50 mm

Specifications

Model Name	**PTC-140 HD PTZ Camera**
Product Name	HD PTZ Camera
Video format	1080p 60/59.94/50/30/29.97/25 1080i 60/59.94/50 720p 60/59.94/50
Image Sensor	1/2.8 inch high quality HD CMOS sensor
Effective Pixels (approx.)	2.07 Mega pixels
S/N Ratio	>55dB
Min. Illumination	0.5Lux (F1.8, AGC ON)
Electronic Shutter	Auto / Manual
Zoom Ratio	20x Optical Zoom, 10x Digital Zoom
Gamma Control	Off / Normal
Iris Control	Auto / Manual
Digital Noise Reductions	Yes
On-Screen Display (OSD)	English, Simplified Chinese
White Balance	Auto, Manual, One Push, 3000K, 4000K, 5000K, 6500K
AGC / Gain Control	Auto / Manual
Mirror / Flip Image	Yes
Focus Mode	Auto / Manual
Panning / Tilting Range	Pan: 340° , Tilt: +90° to -30°
Panning / Tilting Speed	Pan: 0.1~60°/sec Tilt: 0.1~30°/sec
Preset	255 Position
Focal Length	f=5.2 (wide) to 98 (tele) mm F1.6 to F3.5
Field of View (Horizontal, Wide)	Approx. 54.7° (WIDE END) / 3.3° (TELE END)
Image Compensation	Backlight Compensation
Video Output	HDMI x 1 SDI x 1
Audio Input	3.5mm Line in
Tally LED	Dual color (Red, Green)
Filter	M52.0 x 0.75 Thread with UV Protection
Protocol	VISCA/Pelco-D/Pelco-P; Baud Rate:115200/38400/9600/4800/2400bps DVIP
Remote Control Interface and Transmit Distance	RJ-45: for IP control (DVIP) RS-232: Mini DIN 8-pin (IN) Mini DIN 8-pin (OUT) RS-485
Video Compression Format	H.264, H.265, Dual stream output

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What's in the Box

- 1 x PTC-140 Unit
- 1 x IR remote controller
- 1 x PTC-140 Thank You Card
- 1 x Ceiling mount bracket -A
- 1 x Ceiling mount bracket -B
- 6 x Ceiling mount bracket screw M3*4mm
- 1 x DC 12V Power Adaptor
- 1 x Power Cord
- 1 x A tightrope

Applications

- Live Event Meeting
- Tradeshow
- Townhall
- Government Event
- Worship
- Musical Performances
- Lecture

Available Documents to Download

1. Datasheet
2. Instruction Manual
3. Cutsheet
4. Firmware Update

SCAN ME

For more info, visit datavideo.com/product/PTC-140

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