

# PTC-140(W)

HD PTZ Camera



## 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 CMOS sensor, 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 allows you 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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## HD PTZ Camera

### 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 interface connects PTC-140 to a remote controller or PC for control purpose. Use an Ethernet cable to connect external RS-232 controllers.
2. RS-422/RS-485 INTERFACE (RJ-45) - The RS-485 interface serves to connect external RS-422/RS-485 devices. Use an Ethernet cable to connect external RS-422/RS-485 controllers.
3. Audio IN- The 3.5mm audio input receives external audio.
4. 3G-SDI OUT - The 3G-SDI OUT allows you to connect an external monitor via an SDI cable.
5. HDMI OUT - The HDMI OUT allows you to connect an external HDMI monitor via an HDMI cable.
6. LAN Port - This port allows you to establish network connection with the camera. Connect an Ethernet cable from this port to the LAN port of a PC in order to monitor the camera video from the web user interface. The LAN port also allows you to stream the camera video using various streaming protocols.
7. Power Input -

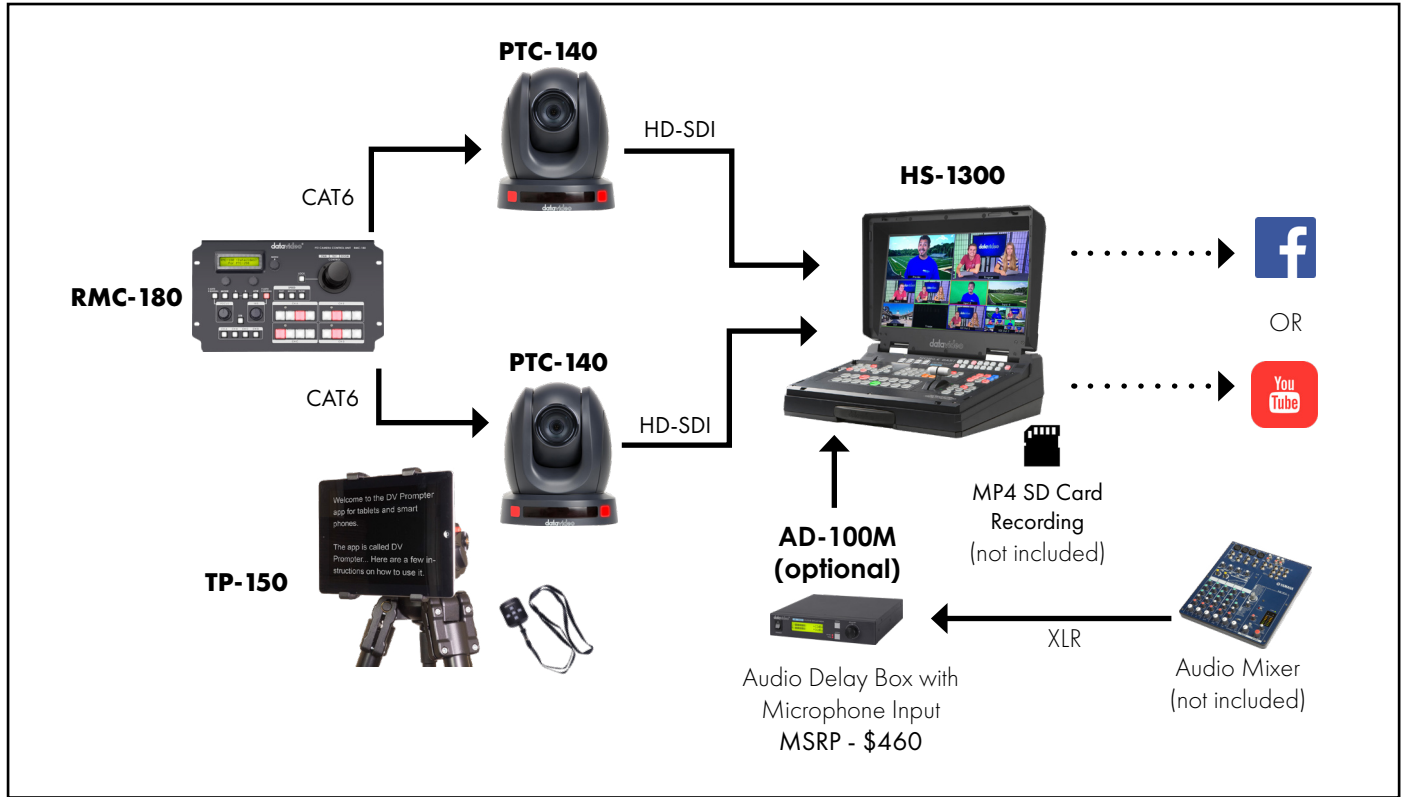


## Compatibility

# PTC-140(W)

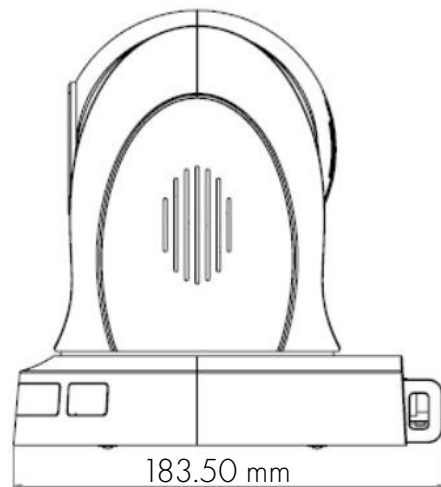
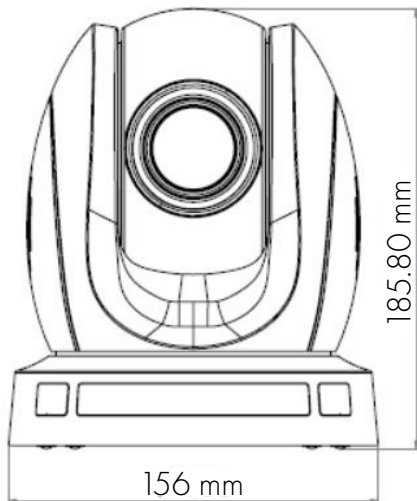
HD PTZ Camera

## Workflow



## Dimensions

All measurements in millimeters (mm)





## Specifications

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

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## HD PTZ Camera

### 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



For more info, visit [datavideo.com/product/PTC-140](https://datavideo.com/product/PTC-140)



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