

# VERTEX<sup>®</sup>

## Intelligent Auto Tracking PTZ Camera Model : MR100 Series



MR100 Series is a dedicated intelligent auto-tracking camera, with cutting-edge technology in the field of education informatization. Adopting binocular integrated design, built-in high-speed processor and advanced image processing algorithms, MR100 could track and detect the lecturer accurately and rapidly. With advantages of strong environmental adaptability, stable tracking ect, MR100 meets a variety of scene requirements of lecture and distance learning.

## MR100 Series

### Product Introduction

#### Lecturer tracking camera MR100



providing the teacher's real-time tracking or blackboard writing close-up video, classroom panoramic video. It can also detect the teacher's movement of going up and down from the platform

### Auto tracking cam technical specification

Model:	MR100T-20
Optical Zoom:	20X f=4.7~94mm
View Angle:	2.9° (tele) ~ 55.4° (wide)
Iris:	F1.6 ~ F3.5
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Sensor:	1/2.8 inch high quality CMOS sensor
Effective Pixels:	2.07 MP. 16:9
Video Signals:	SDI video format: 1080P60/50/30/25/59.94/29.97, 1080I60/50/59.94, 720P60/50/30/25/59.94/29.97
Minimum Illumination:	0.5Lux (F1.8, AGC ON)
Digital Noise Reduction/ zoom:	2D & 3D digital noise reduction, X10
White Balance:	Manual/Auto/One Push/ 3000H/3500H/4000H/4500H/5000H/5500H/6000H/6500H/7000H
Iris/Electronic Shutter:	Auto/Manual
Focus:	Auto/Manual/One Push
BLC:	ON/OFF
WDR:	OFF/Dynamic Range adjustment
Video Adjustment:	Brightness, Color, Saturation, Contrast, Sharpness, Gamma curve
SNR:	>55dB

### Input/Output Interface and Protocols

Video Interface:	SDI, LAN
Network Interface:	100M Lan (10/100BASE-TX), 5GWiFi(optional), Support VISCA protocol control through IP port
Network Protocol:	RTSP, RTMP, ONVIF, GB/T28181
Video Compress Format:	H.265, H.264, Dual stream output
Control Signal Interface:	RS-232
Control Protocol:	VISCA/Pelco-D/Pelco-P, Baud Rate: 115200/9600/4800/2400
Audio Input Interface:	Dual audio channel 3.5mm linear input
Audio Compress Format:	AAC, MP3, G.711A
Power Interface:	HEC3800power jacket (DC12V)



Front Panel



Side Panel



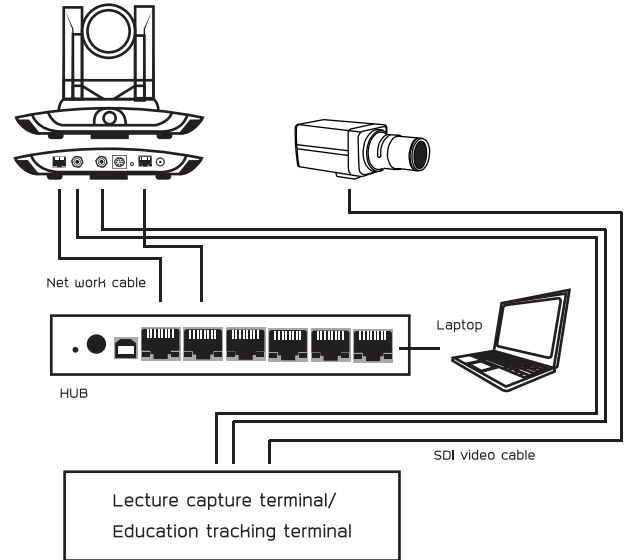
Back Panel



Remote Control (IR)

### Product connection and application

Lecturer tracking camera, Lecturer binocular camera, or Lecturer state detection camera mounting area



### Pan Tilt Parameters

Pan Rotation:	-170°~+ 170°
Tilt Rotation:	-30°~ +90°
Pan Control Speed:	0.1 ~ 100°/s
Tilt Control Speed:	0.1 ~ 45°/s
Preset Speed:	Pan:100°/s, Tilt:45°/s
Preset Number:	255 presets (remoter 10 presets)
Power Adapter:	Input AC110V-AC220V, output DC12V/2.5A
Dimension(WxHxW):	254 mm x 144 mm x 174 mm
Weight(appr.):	1.50 Hg
Remote Maintenance (LAN):	Remote Update, Remote Reboot, Remote Reset

### Panoramic Camera

Sensor:	1/2.8 inch high quality HD CMOS sensor
Effective Pixels:	2.10 megapixel
Lens:	Manual Focus
Output interface:	LAN, SDI
View Angle(D/HN):	112./82./57.6°

\*\*\* All product specifications are subject to change without prior notice.

Dealer :



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