TEZAG

AI 4K UHD Video Conference Camera EX100-T12X/U3-HDMI

"The product of the future"

EX100-T12X/U3-HDMI series is a dedicated intelligent auto-tracking camera,with cutting-edge technology in the field of Education informatization. It includes a lecturer camera UV100T and a student camera UV100S.

EX100-T12X/U3-HDMI series is built-in with high speed processor, advanced image processing and analysis algorithms to track lecturers and students accurately and quickly, which is in line with the requirements of lecturer capture and remote interactive teaching.

Integrated design:
built-in panoramic camera, to achieve an integrated fusion of panoramic camera and tracking camera.

Advanced tracking algorithms:
the use of advanced human detection, locking and tracking image processing, analysis algorithm to ensure the target tracking steady, accurate and fast.

Strong anti-interference ability:
Once the tracking target is locked, not affected by the disturbances of other moving objects and projectors et

Smooth tracking:
The sensitivity of action can be adjusted.Tracking target's small movement or gestures will not cause camera's mis-operation.

Video image auto adaptation:
Based on the distance of tracking target, the tracking camera will automatically zoom and the video image will always maintain the appropriate size and proportion.

Strong environmental adaptability:
The tracking performance is not affected by classroom's size, shape and seating arrangement.

Ultra wide dynamic exposure function:
to completely avoid the problem of tracking target darken under the strong light background of projectors etc.

TECHNICAL SPECIFICATION

Parameters/Model	EX100-T12X/U3-HDMI	EX100-T20/U3-HDMI
Tracking Camera and Lens Parameter		
Sensor	1/2.8 inch high quality HD CMOS sensor	
Effective Pixels	2.07 megapixel; 16:9	
Video Signals	1080P60/50/30/25/59.94/29.97 ,1080I60/50/59.94,720P60/50/30/25 / 59.94 /2 9.97	
Optical Zoom	12x optical zoom f= 3.9～46.1mm	20x optical zoom f= 4.7～94mm
View Angle	6.3°(tele)～72.5°(wide)	2.9°(tele)～55.4°(wide)
Iris	F1.8 ～ F2.4	F1.6 ～ F3.5
Digital Zoom	X10	
Minimum Illumination	0.5Lux(F1.8, AGC ON)	
Digital Noise Reduction	2D&3D digital noise reduction	
White Balance	Manual/Auto/One Push/ 3000K/ 4000K/5000K/6500K	
Focus	Auto/Manual	
Aperture	Auto/Manual	
Electronic Shutter	Auto/Manual	
BLC	ON/OFF	
WDR	OFF/Dynamic Range adjustment	
Video Adjustment	Brightness,Color,Saturation,Contrast,Sharpness,Gamma curve	
SNR	>55dB	
Panoramic Camera		
Sensor	1/3 inch high quality HD CMOS sensor	
Effective Pixels	2.1 megapixel	
Lens	Manual Focus	
View Angle(D/H/V)	122°/98°/73°	
Input/Output Interface and Protocols		
Video Interface	3G-SDI	
Network Interface	100M network interface (10/100BASE-TX) 5G WiFi(optional), Support VISCA protocol control through IP port	
Network Protocol	RTSP,RTMP,ONVIF,GB/T28181	
Compress Image Code Stream	Dual stream output	
Video Compress Format	H.264,H.265	
Control Signal Interface	RS-232	
Control Protocol	VISCA/Pelco-D/Pelco-P Baud Rate:115200/9600/4800/2400bps	
Audio Input Interface	Dual audio channel 3.5mm linear input	
Audio Compress Format	AAC,MP3,PCM	
Power Interface	HEC3800 power jacket(DC12V)	
Pan Tilt Parameter		
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	User can set up to 255 presets(remoter 10 presets)	