

Model List

- CSC 01 | Conference System Camera

Product Introduction

The CSC 01 is a high-performance camera designed for professional applications such as remote education, conferencing, and telemedicine. It features advanced ISP processing technology and algorithms that deliver vivid, true-to-life images with excellent brightness uniformity, high clarity, and superior color reproduction. Equipped with a 1/2.8-inch high-quality image sensor, it supports full HD 1080p resolution at up to 60 frames per second, ensuring smooth and clear video output. The camera offers 20x optical zoom and 10x digital zoom, enhanced by leading auto-focus technology for rapid, accurate, and stable focusing. Its low-noise CMOS sensor and 2D/3D noise reduction technology guarantee high signal-to-noise ratio, producing clear images even in low-light conditions. This versatile camera supports multiple video output interfaces, including HDMI, 3G-SDI, USB, and LAN, along with audio input interfaces that support various sampling rates and audio codecs. It offers robust pan-tilt performance with a super-silent mechanism for smooth and noiseless operation. The camera also supports multiple control protocols, including VISCA, PELCO-D, and PELCO-P, with RS232 and RS485 interfaces for seamless integration into existing systems. Additional features include support for H.265/H.264 video compression, multiple network protocols, remote control options, and low power consumption with a sleep/wake function.

Key Features

- 1/2.8-inch CMOS sensor delivering full HD 1080p resolution at 60 frames per second.
- 20x optical zoom and 10x digital zoom with rapid, accurate auto-focus technology.
- Advanced ISP processing ensures vivid images with excellent brightness uniformity and color reproduction.
- 2D/3D noise reduction technology maintains high signal-to-noise ratio (>55dB) in low light.
- Multiple video outputs including HDMI, 3G-SDI, and LAN for versatile system integration.
- Supports H.265/H.264 video compression and dual-stream output for efficient network transmission.
- Robust pan-tilt mechanism with super-silent operation and up to 255 preset positions.
- Comprehensive control via VISCA, PELCO-D, and PELCO-P protocols through RS232/RS485 interfaces.
- Dual-channel 3.5mm audio input supporting AAC, MP3, and PCM compression formats.
- Compact indoor design with low power consumption and remote maintenance/upgrade capabilities.



CSC 01

Conference System

Technical Specification

CSC 01

Camera & Lens	
Image Sensor	1/2.8-inch high-quality CMOS sensor
Effective Pixels	2.07 million, 16:9
Video Signal	1080P60/50/30/25; 1080I60/50; 720P30/25
Optical Zoom	20x optical zoom f=5.5-110mm
Viewing Angle	3.3° (tele) to 54.7° (wide)
Aperture	F1.6 – F3.5
Digital Zoom	10x
Minimum Illumination	0.5Lux (F1.8, AGC ON)
Digital Noise Reduction	2D & 3D digital noise reduction
White Balance	Auto/Manual/One-Push/3000K/4000K/5000K/6500K
Focus	Auto/Manual
Iris	Auto/Manual
Electronic Shutter	Auto/Manual
Backlight Compensation	On/Off
Wide Dynamic Range	Off/Dynamic Level Adjustment
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W Mode, Gamma Curve
Signal-to-Noise Ratio	>55dB
Input/Output Interfaces & Supported Protocols	
Video Interfaces	HDMI, 3G-SDI, LAN
Dual Stream Output	Yes
Video Compression Formats	H.265, H.264
Control Signal Interfaces	RS-232 (with loop-through RS232 output), RS-485
Control Protocols	VISCA, Pelco-D, Pelco-P
Baud Rates	115200/9600/4800/2400bps
Audio Input Interfaces	Dual-channel 3.5mm line-in
Audio Compression Formats	AAC, MP3, PCM
Network Interface	100M LAN (10/100BASE-TX), 5G WiFi (optional), network VISCA control protocol
Network Protocols	RTSP, RTMP, ONVIF, GB/T28181
Power Interface	HEC3800 power socket (DC12V)
Pan/Tilt Parameters	
Pan Range	-170° to +170°
Tilt Range	-30° to +90°
Pan Speed	0.1 to 60°/sec
Tilt Speed	0.1 to 30°/sec
Preset Speed	Pan: 60°/sec, Tilt: 30°/sec
Preset Positions	Up to 255 (10 via remote)
Other Parameters	
Power Adapter	Input AC110V-AC220V, Output DC12V/1.5A
Input Voltage	DC12V±10%
Input Current	1A (max)
Power Consumption	12W (max)
Storage Temperature	-10°C to +60°C
Storage Humidity	20% to 95%
Operating Temperature	-10°C to +50°C
Operating Humidity	20% to 80%
Environment	Indoor
Remote Maintenance	Remote upgrade, reboot, reset
Included Accessories	12V/1.5A power adapter, RS232 control cable, USB 3.0 cable (U3 model), USB 2.0 cable (U2 model), remote control, manual, warranty card
Optional Accessories	Mounting bracket
Dimensions (W x H x D)	150 x 150 x 167.5 mm
Weight	1.4kg

For further specifications or application details, please contact us. Specifications may change without prior notice. Technical modifications reserved.