

4/3 Inch 4KP60 PTZ Camera

PBC-120



Full NDI
Dante AV-H™
SRT



Features

- 4/3" CMOS sensor, 20x 4K optical zoom, up to 71° FOV;
- Supports 4K60 UHD video for close-ups and panoramas;
- Interfaces: 12G-SDI, 3G-SDI, HDMI 2.0, Gigabit POE, USB 3.0;
- 1x RS-232/422 control;
- Dual Tally lights for live broadcast status;
- Frame rates: 59.94/29.97;
- Gen Lock for synchronization;
- Free D protocol for virtual broadcasting, compatible with NDI HX3, Dante AV-H, SRT;
- WEB UI for remote configuration;
- Advanced PDAF, CDAF, Face AF algorithms for fast, accurate focusing;
- Built-in deep learning AI for stable tracking and posture recognition;
- Optional Full NDI, HDBaseT, Fiber connectivity.

Technical Data

Tracking Camera

Image Sensor
4/3" CMOS, 20MP

ND Filter
Switchable: 1/64, 1/16, 1/4, 1

Maximum Resolution
4K60

Optical Zoom
20x

Digital Zoom
16x

Field of View
HFOV: 71° ~ 4°

Focal
f=9.8mm ~ 186mm

Iris
F2.8 ~ F4.5

Full View Camera

Image Sensor
1/1.8" CMOS, 8.46MP

Maximum Resolution
4KP60

Lens
f=4.4mm; F2.0

HFOV
85°

PTZ

Pan
-170° ~ +170°, 0.05° ~ 120°/s

Tilt
-30° ~ +90°, 0.05° ~ 90°/s

Preset Number
256

General

Power
DC12V, 5A

Indicator Light
Power light, status light, dual Tally lights

Menu
Support

Installation Method
Upright, inverted
(panoramic lens adjustable ±20°)

Remote Control Range
15m, dual infrared in front and rear of camera

Dimensions(L×W×H)
239mm*208mm*291mm

Interface

SDI

1x 3G-SDI, with audio
1080P60/P59.94/P50/P30/P29.97/P25;
1080i60/i59.94/i50;720P60/P59.94/P50/P30/P29.97/P25;
1x12G-SDI,with audio
4KP60/P59.94/P50/P30/P29.97/P25;
1080P60/P59.94/P50/P30/P29.97/P25;
1080i60/i59.94/i50;720P60/P59.94/P50/P30/P29.97/P25;

USB

1x USB3.0 Type-A (compatible with HOST), supports audio output UAC, supports RGB 420 color space
USB3.0 compatible with USB2.0:
UVC supports UVC1.1 protocol;
UVC video formats supported: H.264/H.265/MJPEG;
4KP60/P50/P30/P25;
1080P60/P50/P30/P25;
720P60/P50/P30/P25;
360P60/P50/P30/P25;
YUY2/NV12: 1080P30/P25;
720P30/P25; 360P30/P25

Time Code

1x BNC input

HDMI

1x HDMI 2.0, supports audio output, supports YUV/RGB 444 (8-bit), YUV 422 (10-bit), YUV 420 (8-bit)
4KP60/P59.94/P50/P30/P29.97/P25;
1080P60/P59.94/P50/P30/P29.97/P25;
1080i60/i59.94/i50;
720P60/P59.94/P50/P30/P29.97/P25

Network

1x RJ45, 100M/1000M, support POE, capable of AAC/G.711 audio output
Video formats supported: H.264, H.265, MJPEG;
4KP60/P50/P30/P25;
1080P60/P50/P30/P25;
720P60/P50/P30/P25;
360P60/P50/P30/P25;
Network protocols: RTSP, RTMP, RTMPS, Visca Over IP, ONVIF, SRT, NDI HX2, NDI HX3, Dante AV-H;
Supports dual-stream output for main and sub streams;
Supports WEB UI, CGI, HTTP

Gen-Lock

1x BNC external sync
Gen-Lock interface

SFP

1x Fiber optic interface, configurable as 12G-SDI or Full NDI

Optional (POE supported)

1x Optional Full NDI
1x Optional SDVoE
1x Optional HD-BaseT

Audio Interface

2x Audio Input XLR sockets with phantom power support;
Supports ACC/UAC;
Sampling rates supported: 16k, 32k, 48k

Reset Button

Long press for 5 seconds to restore factory settings

Control Interface

1x RS-232/422, supports Visca, Pelco-P, Pelco-D command protocols

Security Lock Slot

1x Kensington Lock

TF Card

Supports 1x external Micro SD, up to 2TB storage capacity