



aCAMP-F Series by ABERMAN are FullHD Professional PTZ Cameras with optional NDI support. Thanks to built-in advanced AI capability and algorithms, cameras can support precise speaker tracking, with the built-in dual mics array or an external microphone. Cameras provide a budget-friendly solution for live streaming, conferencing and education, using the high-quality 1/2.8 inches FHD CMOS sensor with 2.07 million pixels insures the ultimate picture quality.

Video output interfaces complies to HDMI 1.3 and SMPTE424M for 3G-SDI specifications. The internal scaler allows to output 1080p resolution at 60fps and multiple lower resolutions from 720p. Enforced with high quality optical zoom and wide horizontal field of view, can cover the demands of extra-large conferencing room and other scenarios need larger optical zoom. The new generation of intelligent image processing algorithms provide best results for white balance and automatic exposure functions. This feature significantly improves the quality of image output performance. Recommended for using in education recording and broadcasting, distance education, video conferencing, live broadcasting and other scenarios. Enforced with advanced focusing algorithm, the lens can focus quickly, accurately and stable. All the output interfaces give low latency and allows to simultaneously provide high-quality picture at 1080p resolution. Adopting upgraded version of AI technology, pedestrian recognition technology, can accurately determine the location of each person based on information such as pedestrian wearing, body shape, hairstyle, and face recognition, realize automatic identification of target human form and tracking, and automatic frame selection.

The streaming output support for RTSP, RTMP, Onvif, Multicast, SRT, GB/T28181 and other protocols. Camera supports Full NDI protocol, can output nearly lossless NDI encoded video through the network, and backward compatibility with NDI@HX2 protocol, which requires lower network bandwidth and can transmit H.265/H.264 encoded videos with high image quality and low latency. NDI support is an optional function (25 minutes demo mode is provided). The NDI support license could be activated at factory or purchased separately.

ORDERING INFORMATION

Model No.	Product Description
aCAMP-F12	12x Optical Zoom FullHD PTZ Camera
aCAMP-F12N	12x Optical Zoom FullHD PTZ Camera with NDI
aCAMP-F20	20x Optical Zoom FullHD PTZ Camera
aCAMP-F20N	20x Optical Zoom FullHD PTZ Camera with NDI
aCAMP-F30	30x Optical Zoom FullHD PTZ Camera
aCAMP-F30N	30x Optical Zoom FullHD PTZ Camera with NDI

SPECIFICATIONS

Model	F12	F20	F30
Optical Zoom	12x	20x	30x
Lens (mm)	f3.5~42.3	f4.42~88.5 F1.8~F2.8	f4.42~132.6
Horizontal FOV	72.5°-6.9°	60.7°-3.36°	60.7°-2.28°
Vertical FOV	44.8°-3.9°	34.1°-1.89°	34.1°-1.28°
Video Formats	1080p60 / 59.94 / 50 / 30 / 29.97 / 25		
HDMI/SDI	1080i60 / 59.94 / 50, 720p60 / 59.94 / 50		
Sensor	1/2.8 inches, CMOS, Effective Pixels: 2.07Mpx		
Scanning Mode	Progressive		
Digital Zoom	16x		
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)		
Shutter	1/30s ~ 1/10000s		
White Balance	Auto, Indoor, Outdoor, Push, Manual, VAR		
Backlight	Compensation Supported		
Noise Reduction	2D&3D Digital Noise Reduction		
SNR	≥ 55dB		
Pan Angle	±170°		
Tilt Angle	-30° ~ +90°		
Pan Speed	1.7° ~ 100° /s		
Tilt Speed	1.7° ~ 699° /s		
Image Flip	Supported		
Image Freeze	Supported		
Preset Position	255		
Preset Accuracy	0.1°		
Microphone Array	Built-in Dual Microphones, 100Hz -16KHz		
Analog Audio	Support 3.5mm Line-In		
Input/Output	Support 3.5mm Line-Out		
Digital Audio Output	Support HDMI, USB, LAN, 3G-SDI etc		
Audio Interface	1 x Line In, 3.5mm Jack		
Control Interface	VISCA/Pelco-D/Pelco-P 1 x RS485, 1x RS232 VISCA only: 1x RS232 OUT: up to 30m		
Power Interface	JEITA type, DC IN 12V, PoE+ 802.3at, 15W		
LAN Video Codec	H.264 / MJPEG		
Video Stream	First Stream, Second Stream		
First Stream Res	1920x1080, 1280x720, 1024x576 etc.		
Second Stream Res	1280x720, 1024x576, 720x576 etc.		
Video Bit Rate	32kbps~20480kbps		
Bit Rate Control	VBR, CBR		
Frame Rate	1fps ~ 60fps		
Audio Compression	AAC		
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps		
USB Video Protocol	UVC 1.1~1.5		
Color System/Codec	up to 1080p60 YUY2 / H.264 / MJPEG		
USB Audio	32K Sampling Rate, Support UAC2.0		
Operating System	MS Windows 7(UVC1.1)/8/10/11, Mac OS X		
UVC PTZ Control	Supported		
Operating Temp	0° C ~ 40° C		
Storage Temp	-40° C ~ 60° C		
Dimension	142mm (W)×169mm (D)×175mm (H)		
Net Weight	1.5kg		

REAR PANEL

