BacBon Limited

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Technical Specifications:

All in One Artificial intelligence based 4K Camera with voice integration for Smart Meeting Room	
Brand Name:	**BACBON**
Model No:	**FC-400**
Country of Origin:	**China**
Basic Features	

a) All in one 4K UHD Camera and Audio speaker makes group video calls easier and more efficient, delivering exceptional audio and video quality for enterprises. It is also equipped with cutting-edge features like Smart Frame, Smart Speaker, True WDR, and FOV 120° to upgrade.

b) Auto-framing, minimum 5X digital zoom,120° Viewing angle,12MP, 3 Camera position presets.

c) automatically frames all meeting participants, adjusting the camera zoom, pan, and focus to fit everyone on-screen in seconds without overreacting to unimportant movement.

d) Smart Speaker Instantly Identifies Speakers-

e) Highly sensitive Smart Speaker Tracking pinpoints speakers wherever they are in the room, cutting through noise to zoom in on the human voice. Also, Smart Speaker's 8 to 10-meter diameter pickup range saves wasted time moving speakers closer to the microphone.

f) Fit Everyone in the Room Camera captures the room with a 120° FOV multi-glass lens that features a motorized 180° pan and 105° tilt view for a wider perspective than ever. No more concern about where your seat is located.

g) Run supported video conferencing applications – such as Zoom Rooms, Microsoft Teams Rooms, and others – directly on the All-in-One Digital Smart Board with no computer or laptop required.

h) Using AI, human perception, and motorized PTZ, Auto-level loud and soft voices – while suppressing unwanted noise – with AI-based Right Sound™ technology that improves over time.

Keep the focus on meeting participants with AI Viewfinder, which uses scene awareness to optimize Right Sight auto-framing and camera control.

Camera sensor:

Ultra crystal clear image supports up to 4K
1/2 .3 inch CMOS,12PM.
Scanning Mode: Progressive
FOV 120°
Tilt Range UP 15°, down 15°,
Focal Length Fixed
Frame rate: 4K 30fps 1080p, 720p, 960 x 540, 848 x 480, 800 x448, 640 x 480, 640 x 360, 424 x 240, 320 x 240, 320 x 180 at 60, 30, 15 f ps
Minimal Focusing Illumination : 0.05Lux@f/2.4,AGC ON
White Balance: Auto
Digital Noise Reeducation 2D & 3D Digital Noise reduction
SmartFrame SmartS peaker Automatic FOV adjustment (auto
focus) to fit all participants and focus on the speaker
120 w ide field of view
Digital zoom rate up to minimum 5X leveraging 4K sensor
Feature : EPTZ, Auto-Framing

Sound System

Maximum Sound Presume Level (dBSPL) : 86dBSPL@1m,1kHZ
Frequency Range (-10dB) –150Hz-15kHz
Total Harmonic Distortion <5%

Signal to Noise Ratio >75dB
Speaker Channel: 1
Output Power 1x8W
Tilt: Total vertical viewing area 105.

Microphone System

Min: Microphones 6 array directional microphones supporting Minimum 8 m
Pickup.
8W stereo full range speakers with professional bass port
tuned for communication.
Volume up to 96 dB SPL at 1/2 meter.
Echo cancellation.
Noise suppression.

Operating System USB

Operating System: Windows 10 or upper version
Color System: H.264/YUY2MJPG
USB Video Communicate Protocol: UVC2.

Input/output Interface

Line in/Out: 1x3.5mm earphone pot
HDMI: 1xHDMI1.4
Internet Connection: Ethernet:1xRJ45(10/100Mbps). Wi-Fi-2.4G/5G Dual Brand Wi-Fi
USB Interface Min: 1xUSB3.0Type A
DC in: 1xDC2.0

Camera Control

IR remote control.
VISCA/pelco P/pelco D via RS232.
UVC /UVA plug and plan.
PTZ App

Power Supply

AC 100V~ 240V, 50/60 Hz.
Input Voltage: 12V
Power Consumption (Typ) :36W
Current Consumption :3A

Environmental Data

Operation temperature: 0 °C ~40°C.
Operation humidity: 20%20%~.
Storage temperature: 20 °C ~60°C.
Storage humidity: 20%20%~

Dimensions

Package dimensions: 739 x 193 x 229 mm.
Package weight: 4.16 kg/9.3 lbs.
Camera: 650 x 100 x 109.5 mm/2.133 kg
Remote control: 200 x 50 x 2 1 mm /0.09 kg

Camera Support Compatible Applications

Zoom, Microsoft® T eams, Skype for Business, Skype
Google Hangout s Intel® Unite™, RingCentral, BlueJeans,
Microsoft® Lync™, Vidyo, vMix, WebRTC, Wirecast, XSplit

Warranty: 3 Years warranty