USB ALL IN ONE CONFERENCE CAMERA VIDEO BAR
Datasheet
Model: iCam VB50

The **iCam VB50** is specially designed for home office users or small to medium-sized meeting/huddlerooms with 4 to 6 people. Its All-in-One three-in-one design of 4K ultra HD camera, beamforming microphone and full-frequency loudspeaker reduces wiring and makes video communication really simple. Out of the box it's going to take you a minute to set up – it really is plug and play!

Ideal for small and medium conference rooms, the **iCam VB50** includes everything necessary for practical video-conferencing in a single, convenient package. With easy installation in mind, the **iCam VB50** can be mounted on a wall or table, and can connect to a videoconferencing PC via a single USB 3.0 cable.

With 4K ultra high resolution clear image (and downward compatible with 1080P, 720P and other resolutions), it can meet the needs of users for different video experiences, and can provide clear, real, smooth and accurate communication. Its wide field of view (FoV) with five times zoom, optical lens customized for the conference, the built-in electronic head means you have no need to worry about the camera position. The Beam Forming (BF) microphone is built in with a pickup distance of 6 metres. A low-distortion transverse beamforming algorithm can direct the microphone directly to the speaker combined with full duplex means better sound and clearer communication providing a fuller and more authentic conference.

The **iCam VB50**'s UHD camera dynamically tracks speakers to keep them in frame, and features an ultra-wide field of view and 5x digital zoom for stunning, reliable video. A beamforming microphone guarantees clear, full audio recording from anywhere in the room.

The **iCam VB50** is a camera with a built-in intelligent analysis algorithm, listening to the speaker position, automatic framing of participants, automatic tracking of speakers and switching the speaker screen, to ensure that the speaker is always clearly in the picture. To make sure you have all options covered, it provides both HDMI and USB audio and video output simultaneously.

Featuring three incredible technologies in one, the **iCam VB50** offers unmatched quality,
convenience, and sophistication for an incredibly cost-effective price.

Features:
• All-in-one 4K camera, beamforming microphone, and full-frequency speakers
• Dazzling video with 4K resolution, and 5x digital zoom
• Single USB 3.0 connection for unmatched convenience & ease of installation
• Ultra–wide-angle field of view for capturing full-room video
• Impressive versatility with multiple mounting options
• Shipped fully functional, pre-programmed, and rigorously tested
• 4K UHD, 1080P60
• MPT + EPTZ
• Built-in Microphone & Speaker
• Auto-framing & Auto-tracking
• 120 degree wide-angle lens
• HDMI 2.0, USB Type C, JR45 outputs
• Bluetooth supported
• 2x Camera presets
• Extension Microphone supported

Specification：

Model	iCam VB50
Video	4K@60fps, 4K@30fps, 1080P60/30fps, 720P@60/30fps,
Sensor	1/2.5 inch, CMOS, 8.51M pixel
Lens	120°(DFOV), 110°(HFOV), 5x zoom, pan/tilt ±15°
PTZ	MPT + EPTZ
Digital Noise Reduction	2D & 3D digital noise reduction
Video	S/N ≥55dB
Backlight Compensation	Supported
Full Frequency Speaker	96 dB SPL at 0.5 metres
Frequency Range	Microphone: 120 Hz–16 KHz Speaker: 100 Hz-24 KHz
Microphone Array	Beamforming microphone, pick up distance up to 6 metres
Connection Type	USB 3.0 downward compatible with USB2.0
Video Compression	H.264 / MJPEG /YUY2 /NV12

USB Audio	32K sampling rate, support UAC2.0
USB Video	UVC 1.1~1.5
UVC PTZ Control	Supported
OS System Compatibility	Windows 7 (only 1080p and below), Windows 8.1, Windows 10 or higher macOS® 10.10 or higher, Linux (requires support for UVC), Android Google ChromebookTM Version 29.0.1547.70 or higher
Hardware Platform	2.4 GHz Intel® Core 2TM Duo processor or higher 2 GB of memory or higher USB 2.0 interface (4K video output need USB 3.0 interface)
HD Output	1 * HDMI , version 2.0
USB Interface	1 * USB3.0, Type C ; 1 * USB2.0, Type A
Power Jack	DC 12V, 2A (MAX)
Control Mode	2.4G remote controller
Installation Mode	Support for desktop, wall, TV, and other installation options
Standard Cable	USB3.0 (2 metres)
Safety Protection	Security lock jack
Remote	2.4G remote controller
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
MTBF	>30000h
Net Size	600mm * 140mm * 115mm (holder included)
Net Weight	2.5 Kg
Package Dimension	1pcs/CTN 670*230*220 mm; (4pcs/CTN 680*490*470 mm)
Gross Weight	4.12 Kg 1pcs/CTN
Client Applications	Skype for Business, Compatible with Cisco (Jabber), Cortana
Adaptable Application	LCP (Zoom, BlueJeans, Broadsoft, Starleaf, Pexip, Vidyo) and all UVC applications (Google Hangouts, Go to Meeting, etc)
Warranty	2 Years