

CONFERENCE SYSTEM

CY-7145M

Wireless Digital Conference System Host

Network-based conference controller with wireless base station, DSP audio, camera tracking and a 4.3" touchscreen — for boardrooms, councils and congress halls



The CY-7145M is the central host of C-Yark's wireless digital conference system. A high-performance CPU unifies discussion, speaking management, conference service and camera video-tracking, while a built-in DSP delivers equalisation, noise reduction and automatic feedback suppression. One wireless base station covers a ~60 m radius and up to 200 units; cascading base stations scales the system to 20 simultaneous wireless speakers.

20

WIRELESS CH

200

UNITS

4.3"

TOUCH

60m

RADIUS

DSP

AUDIO

USB

RECORD

NET

TCP/IP

KEY FEATURES

- ✓ **Network Conference Architecture** — high-performance CPU unifies discussion, service and camera tracking
- ✓ **20 Wireless Channels** — cascade base stations for up to 20 simultaneous wireless speakers
- ✓ **4.3" IPS Touchscreen** — on-host control of volume, gain, modes and recording with parameter locking
- ✓ **Multiple Conference Modes** — FIFO, speaking-limit, free-speak and chairman-priority / request modes
- ✓ **Professional DSP Audio** — EQ, intelligent noise reduction and automatic feedback suppression
- ✓ **Camera Video Tracking** — RS-232 / RS-485 (VISCA, PELCO-P/D) drives PTZ cameras and HD matrix switching
- ✓ **USB Local Recording** — start / stop from the touchscreen with live status display
- ✓ **Online ID & Service Calls** — assign chairman / delegate roles live; one-touch tea, paper or assistance requests

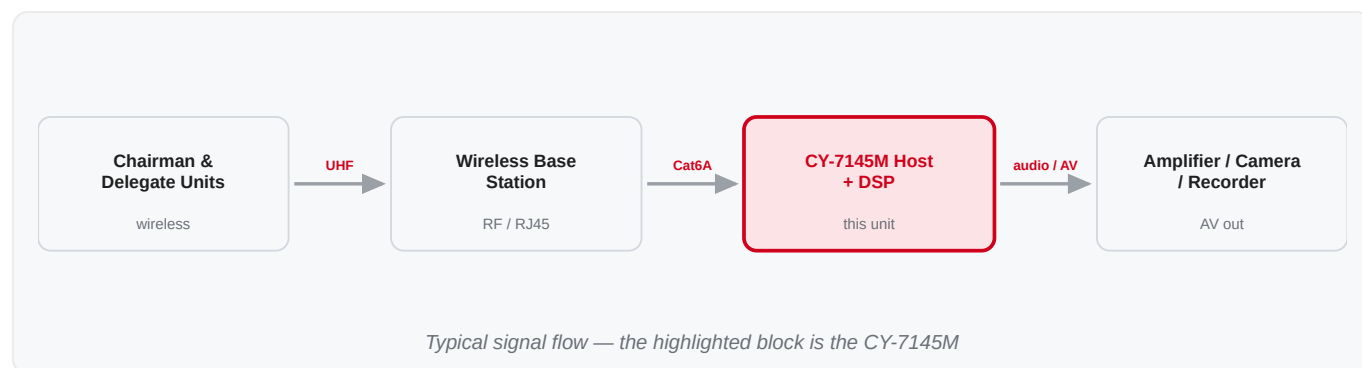
INSTALLATION NOTES

- Link the host to the wireless base station over Cat6A double-shielded cable, up to 100 m.
- Assign each unit a chairman (VIP) or delegate ID via the touchscreen or PC software.
- Use the RS-232 / RS-485 phoenix ports for VISCA / PELCO camera tracking and matrix switching.

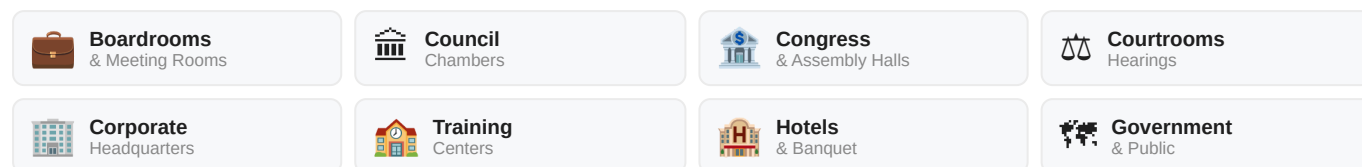
TECHNICAL SPECIFICATIONS

Model	CY-7145M	Type	Conference System Host
Wireless Channels	20 (cascaded)	Units Supported	up to 200
Base Station Radius	~60 m	Host ↔ Base	up to 100 m (Cat6A)
RF Channels	20 independent	Conference Modes	FIFO / Limit / Free / Chairman
Display	4.3" IPS capacitive touch	Recording	USB local
Camera Control	2× RS-232 / RS-485	Protocols	VISCA, PELCO-P/D
Audio Outputs	2× balanced + 6.35 mm	Audio Inputs	1× MIC (48V) + 4× line
Network	TCP/IP (NET port)	Frequency Response	20 Hz – 20 kHz
SNR	> 96 dBA	THD	< 1%
Power	AC 110–220V / 50 Hz (≤50 W)	Dimensions	483 × 315 × 95 mm
Net Weight	4.9 kg	Certifications	CE, 3C, ISO 9001

SYSTEM CONNECTION DIAGRAM



TYPICAL APPLICATION SCENARIOS



WHY C-YARK



COMPATIBLE WITH

Works with CY-7153C chairman and CY-7153D delegate units, the CY-UV20U-4K PTZ camera and UH-505B antenna distribution. Audio outputs feed C-Yark PA amplifiers; RS-232 drives an HD video matrix.

ORDERING & SUPPORT

Model: CY-7145M
Lead time & MOQ: contact distributor
Distributor (Bangladesh): DIGI-MARK SOLUTION
 Specifications subject to continuous improvement.