



MOTORIZED RETRACTABLE MONITOR



**Display
Size 17.3"**



**Single-wire
Connectivity**



**Centralised
Control**



Chairman Unit

Display

- 17.3" HD IPS full-view display with aluminium alloy frame and toughened glass.
- Supports 1920 × 1080 resolution with backlight adjustment.
- Customizable 4K resolution support.

Design & Build

- Ultra-thin integrated design: HD screen and lift mechanism are combined with no exposed cables, backplane, or screws.
- CNC-machined all-aluminium alloy construction.
- Thinnest screen section: < 7mm.
- Panel thickness: 3mm; width: 70mm.
- Weight: 1/3 of conventional units—reduces table load and shipping costs.
- Surface finish: Anodic oxidation with sandblasting and wire-drawing—corrosion resistant and visually appealing.

System Architecture

- Decentralized system design: no server required.
- Chairman and secretary roles can switch displays and lift controls with one button.
- Identity-based permissions: Chairman, Secretary, Representative—customizable roles and permissions.
- Daisy-chain network cable connection—up to 42 units per system.

Performance & Compatibility

- Fast, low-power mini-PC integration.
- Compatible with various Windows operating systems.
- Multi-point balanced lifting control and dual silent sliding rails ensure smooth operation.
- Digital intelligent synchronous positioning for accurate, uniform lifting.

Power Management

- Automatic screen power ON after lift, OFF after retraction—energy-saving.
- Built-in AC 100V–240V international power supply with voltage regulation for stability in fluctuating power conditions.
- Built-in ring power output for hand-in-hand power distribution—reduces clutter in installations.

User Interface & Controls

- Military-grade metal panel keys: high sensitivity, durable, no delay.
- Shortcut button for computer power control—prevents data loss from accidental shutdowns.
- USB port on panel: supports mobile device charging, U-disk data import, mouse/keyboard connection.

Control Modes

- Multiple control methods supported:
 - Manual control
 - Hand-in-hand RS-232
 - Software control
 - Remote control
 - Central control
 - Group control
- Independent panel control buttons: UP, PAUSE, DOWN.
- Screen tilt adjustment: 0–120° for optimal viewing angle.
- Manual retraction available during power loss or system stop.

Safety & Protection

- Removable safety module.
- Multiple built-in protections: position limit, leakage, overload, current limit, uniform speed.
- Advanced electrostatic isolation design—prevents static build-up in dry environments.

Signal Input

- HDMI and VGA input support.
- Auto signal detection and panel-key manual switching.
- Power-saving mode activates when no signal is detected.

Delegate Unit

Display

- 17.3" HD IPS full-view display with aluminium alloy bezel and toughened glass.
- Supports 1920 × 1080 resolution (customizable to 4K).
- Ultra-thin integrated design—no exposed wires, screws, or backplane.

Design & Build

- CNC-machined all-aluminium alloy structure.
- Screen thickness: < 7mm.
- Panel thickness: 3mm; width: 70mm.
- Weight is 1/3 of conventional designs—reduces table load and shipping costs.
- Surface finish: Anodized with sandblasting and wire-drawing—durable and corrosion-resistant.
- Sleek, modern, and professional appearance.

System Architecture

- Decentralized architecture—no central server required.
- Supports up to 42 lift units connected via daisy-chain network cabling.
- Role-based permissions (Chairman, Secretary, Representative) for customized functionality.
- Each representative unit can:
 - Display local signals or track the chairman's screen.
 - Switch to chairman's signal on-demand when viewing content asynchronously.

Performance & Compatibility

- Integrated mini computer—compact, low heat, low power consumption, fast operation.
- Compatible with a variety of Windows operating systems.
- Multi-point balanced lift system with dual silent sliding rails for smooth, stable movement.
- Intelligent digital synchronous positioning for precise, unified screen motion.

Power & Energy Efficiency

- Automatic screen power ON when lifted; automatic OFF when lowered—eco-friendly design.
- Built-in AC 100V–240V power supply with voltage regulation for safe operation in unstable environments.
- Ring power output interface enables power daisy-chaining to multiple units, reducing cabling complexity.

Controls & Interfaces

- Military-grade metal panel keys—high sensitivity, durable, no input delay.
- Shortcut button for computer power control to prevent data loss from accidental shutdowns.
- USB data port for:
 - Charging mobile devices
 - U-disk file access
 - Connecting keyboard/mouse

Viewing & Control Modes

- Adjustable screen tilt: up to 120° for optimal viewing angles.
- Independent control buttons on the panel: UP, PAUSE, DOWN.
- Multiple control methods supported:
 - Manual
 - RS-232 hand-in-hand
 - Software control
 - Remote control
 - Central control
 - Group control
- Manual retraction available during power outage or system failure.

Safety & Protection

- Removable safety module.
- Built-in protections: position limit, leakage, overload, current limit, and uniform motion.
- Electrostatic isolation design—prevents static build-up even in dry environments.

Signal Input & Management

- Supports HDMI and VGA inputs.
- Auto signal detection with manual switching via panel keys.
- Auto power-saving mode when no signal is detected.
- Manual source selection when both HDMI and VGA signals are present.

Technical Specifications

Model	Chairman - CRM17	Delegate - DRM17
Front Screen Size	17.3"	
Brightness	300 cd/m ²	
Contrast Ratio	1000:1	
Tilt	20° after lifting	
Video Interface	HDMI	
Lift Control	Central Control RS 232/485 Control (Manual Control, Remote Control, Software, Grouping)	
	Chairman - CRM17	Delegate - DRM17
Ports	RJ 45 X 2 (Control)	
	RJ45 (485) X 2 In & Out	
	USB X 2 Data, (On/Off)	
	HDMI In X 1	
Power	3 Pin AC socket X 1	
	Universal multi plug socket X 1	
	RJ 45 X 1 (Video In)	RJ 45 X 1 (Video In)
	RJ45 X 6 (Video Out)	RJ 45 X 1 (Video Out)
	Ports at the Top : HDMI In X 1,USB X 1	Ports at the Top : USB X 1
Active Buttons	External X 1; Local X 1, Only local X 1	External X 1; Local X 1
	Centralised Up X 1, Down X 1	
	Individual Up X 1, Individual Down X 1	
	Stop X 1	
Material	All Aluminium Alloy	
Craft	CNC Carved, Anodized	

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