

DUAL-DOME CEILING LED · BUILT-IN FULL HD CAMERA · 21.5" MONITOR · RECORDING

PCB-DCC-57



ABOUT THE PCB-DCC-57

Surgical illumination, capture and broadcast — in one ceiling unit.

The **PCB-DCC-57 Dual-Dome Ceiling LED Surgical Light with Camera + Monitor** integrates a full operating-room light, a **Full HD camera built into the dome** and an external **21.5" HD monitor** — a complete capture and broadcast solution for teaching hospitals, training centers and tele-surgery facilities.

The **built-in camera (1080p · 10x optical zoom)** captures and delivers images in fast speed and high quality. Surgical procedures can be **broadcast live** so the clinical team and trainees follow your progress without breaking the sterile field. **Recording capability** makes every procedure a teaching case.

The camera is fully integrated into the central yoke — **no additional arm or pendant needed**. A second top-view monitor on a separate arm provides shared visualization of the surgical field for the entire team. The 21.5" monitor supports SDI / HDMI / VGA / YPbPr / S-Video for any clinic workflow.

SPECIFICATIONS

Built to broadcast-grade standards.

MODEL

PCB-DCC-57

CONFIGURATION

**Dual-head ceiling · camera +
monitor integrated**

CAMERA RESOLUTION

2.1 MP · 1920 × 1080 (Full HD)

CAMERA SENSOR

**1/2.9" or 1/3" CMOS ·
progressive scan**

OPTICAL ZOOM

10× · 5 – 50 mm focal length

FIELD OF VIEW

H: 51.8° (W) to 5.86° (T)

DAY / NIGHT

Color / B&W / automatic

MIN. ILLUMINATION

0.1 lux (color) · 0.01 lux (B&W)

SNR

≥ 50 dB (AGC OFF)

IR CUT

Double filter auto switching

IMAGE FEATURES

WDR · 2D-DNR · mirror · anti-fog

ELECTRONIC SHUTTER

1/30s – 1/10,000s

CAMERA PROTOCOLS

RS232 · HITACHI / SONY VISCA

CAMERA OUTPUT

Digital signal

CAMERA DIMENSIONS

38.6 × 41 × 64.6 mm · 110 g

CAMERA POWER

DC 12V · 3.5 W max

MONITOR SIZE

21.5" LED · 16:9

MONITOR RESOLUTION

1920 × 1080 (Full HD)

MONITOR LUMINANCE

300 cd/m² · 1500:1 contrast

MONITOR INPUTS

**SDI · HDMI · VGA · YPbPr · AV · S-
Video**

MONITOR POWER

DC 12V · 35 – 55 W

OSD LANGUAGES

**EN / ES / PT / FR / DE / IT / PL / NL /
ZH**

MOUNT TYPE

**Ceiling · dual head + monitor
arm**

RECORDING

Yes (training / broadcast)

CERTIFICATIONS

CE · ISO 9001 · ISO 13485

KEY FEATURES

Engineered for teaching hospitals and tele-surgery.



BUILT-IN FULL HD CAMERA · 10× ZOOM

2.1 MP camera with 1080p Full HD video, 10× optical zoom (5–50 mm). Integrated directly into the dome — **no separate arm or pendant needed**. Wide dynamic range, 2D noise reduction and anti-fog ensure clear images in every clinical condition.



21.5" HD MONITOR · MULTI-INPUT

Bright 300 cd/m² LED display with 1920×1080 resolution and 16.7M colors. Supports **SDI, HDMI, VGA, YPbPr, AV and S-Video** — integrates with any OR camera, endoscope or imaging system.



LIVE BROADCAST & RECORDING

Capture and record every surgical procedure for **training, study and tele-surgery**. Broadcast live so clinical staff and remote trainees can follow the procedure without entering the sterile field — perfect for teaching hospitals.



DUAL-DOME ASYMMETRIC DESIGN

Two ceiling-mounted domes work together for a uniform, shadow-free light spot from multiple angles. Each dome positions independently around the surgical field with effortless angling.

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