

ProHD

DT-N21H

21.5" Broadcast Studio LCD Monitor



FEATURES

Supports 3G/HD/SD-SDI and 2K-SDI

DT-N21H supports 3G-SDI (SMPTE 425M) Level-A & B, 2K-SDI (SMPTE 2048-2) 60p Level-A & B display.

Full HD LCD panel with LED backlighting

The monitor features a 1920×1080 pixel full HD resolution LCD panel with LED backlighting, with 178° wide viewing angle (H & V), 1000:1 contrast, and 16.7M color depth.

ITU-709 color space

The DT-N21H is compatible with ITU-709 standard color space for HDTV broadcasting.

Selectable gamma preset

The DT-N21H supports gamma preset selection from: 2.2, 2.4 and 2.6.

Audio meters display

The DT-N21H supports SDI/HDMI embedded audio 2-ch meters display, and analog audio 2-ch meters display.

TSL UMD control and display

The DT-N21H monitor supports UMD controlling input via RS485 and RS232 port, compatible with TSL 3.1 and 4.0 UMD protocol.

USB firmware upgradable

The Monitor offers a USB port on the rear side, for firmware upgrade. Users can download firmware to a USB disk, and the upgrade operation is directly on the monitor, without PC or other adaptors.

Other features

- SDI Timecode (LTC, VITC1&2) and AFD info display
- R/G/B/Mono, False color, Zebra stripes display
- Peaking focus assist display mode
- H/V delay, freeze frame display mode
- Safety area selection: 80%, 85%, 90%, 93%, 95%
- Scale marker: 4:3, 13:9, 14:9, 15:9, 1.85:1, 2.35:1
- Native scan, over scan and normal scan selection
- GPI control via RS485 port connection
- 3 User setting data storage
- TALLY light with adjustable brightness
- 4 User definable function keys
- Easy One-key Menu operation
- Built-in speaker (2.5W, 8Ω)
- AntonBauer battery plate for field application (V-mount plate in an option)



Rear Terminals

- RS-485 ×2.....UMD input and output
- RS-485 ×1.....GPI input
- BNC ×3.....Y/Pb/Pr input
- BNC ×2.....CVBS input and loop output
- RS-232C ×1.....UMD input
- VGA ×1.....VGA input
- HDMI-A ×2.....HDMI input and loop output
- BNC ×2.....SDI 1 input and loop output
- BNC ×2.....SDI 2 input and loop output
- RCA ×2.....Analog audio L and R input
- USB ×1.....USB firmware upgrade

ProHD

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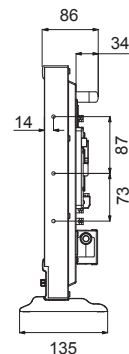
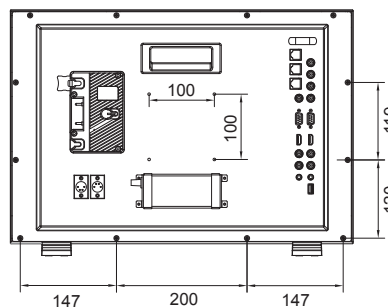
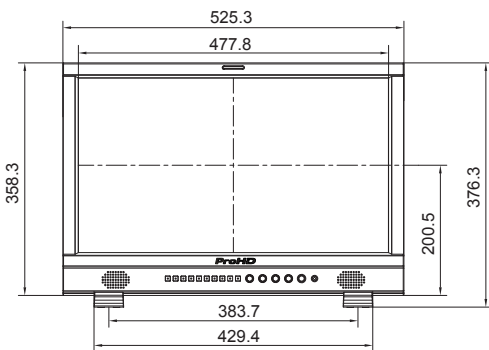
21.5" Broadcast Studio LCD Monitor



Specifications

| LCD Display | | Compatible video formats | | |
|------------------------|----------------------------|--------------------------|--|---|
| Size | 21.5 inches wide format | CVBS | NTSC / PAL | |
| Display area | 477mm×268mm | Y/Pb/Pr | 480i, 480p, 576i, 576p, 720p (50 / 60), 1080i (50 / 60) | |
| Resolution | 1920×1080 (Full HD) | HDMI | 480i / 576i / 480p / 576p | |
| Color depth | 16.77 million | | 1080i (60 / 59.94 / 50) | |
| Aspect ratio | 16:9 | | 720p (60 / 59.94 / 50) | |
| Brightness | 250cd/m ² | | 1080p (60 / 59.94 / 50 / 30 / 29.97 / 25 / 24 / 23.98) | |
| Contrast | 1000:1 | SDI | 1080psf (30 / 29.97 / 25 / 24 / 23.98) | |
| Viewing Angle | 178°(H) / 178°(V) | | SMPTE-2048-2 | 2048×1080p (23.98 / 24 / 25 / 29.97 / 30 / 50 / 59.94 / 60) |
| Surface treatment | Non-glass | | | 2048×1080i (50 / 59.94 / 60) |
| Backlighting | LED | | SMPTE-425M | 1080p (60 / 59.94 / 50) |
| Working voltage | DC / battery 11V-17V | | SMPTE-274M | 1080i (60 / 59.94 / 50) |
| Power consumption | Max 32W | | | 1080p (30 / 29.97 / 25 / 24 / 23.98) |
| Working temperature | 0°C - +40°C | SMPTE-RP211 | 1080psf (30 / 29.97 / 25 / 24 / 23.98) | |
| Working humidity | 10% - 90% | SMPTE-296M | 720p (60 / 59.94 / 50) | |
| Storage temperature | - 15°C - + 60°C | SMPTE-125M | 480i (59.94) | |
| Storage humidity | 10% - 90% | ITU-R BT.656 | 576i (50) | |
| VESA standard | 100mm×100mm (M4×4mm screw) | VGA | 640×480, 800×600, 1024×768, 1152×864, 1280×768, 1280×960, 1280×1024, 1600×1200 | |
| Dimensions | 525×358×87mm | | | |
| Net weight (w/o stand) | 6.2 Kg | | | |

External dimensions



Package



AC-DC power adaptor (bundled on rear panel)



Gold mount plate (Pre-installed)



Desktop stand

JVCKENWOOD

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