CRALTECH



42" Professional LCD Monitor with built-in Multiviewer

CBM-420 is a 42" LED Backlight LCD Monitor with built-in easy to use Modular Multiviewer. Based on slot and Boxes system and with superior quality 10 bit image processing engine, the CBM-420 is a space-saving, fanless and energyefficient hardware based compact Multiviewer LCD Monitor (no PC and no hard-drive) with low processing delay. CBM-420 integrates a keyboard with user configurable direct keys and encoder to navigate through the OSD menu and 5 Slots for external boxes (up to 32 inputs). CBM-420 integrates all professional features as UMD & Tally, Aspect Ratio Selection, Markers, Real time color Waveform and Vectorscope, 16 Channel Audio Level Meters, Alarms, Timecodes, Clocks...

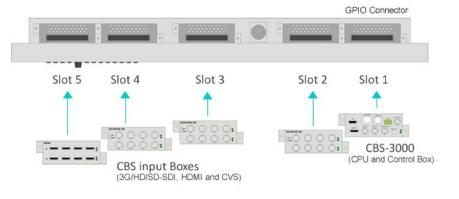


Image quality and minimum delay

Each CBM must integrate a CBS-3000 control Box (CPU and connectors) and can integrate up to 2 input Boxes (up to 16 inputs) on the 18,5" and 23.8" monitors and up to 4 input Boxes (up to 32 inputs) on the 32" and 42" monitors combining 3G/HD/SD-SDI, HDMI and CVS signals. CBS-3000 integrates an Ethernet connector to control the Multiviewer remotely using our user friendly drag and drop Remote Control Software (SNMP compatible) and USB connector for upgrades. Use CBM when image quality and minimum delay are a must!

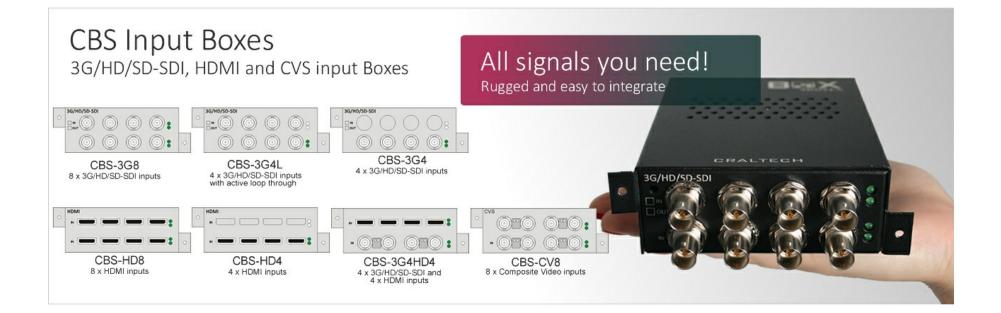


Display your layout in other TV or Professional Monitors

Get the most out of your Multiviewer Monitor using the HD SDI and HDMI Outputs in your CBS-3000, and display your layout in the CBM Monitor and other Tv or Professional Monitors. Up to 2 additional control points on your work station. CBS-3000 also have an Ethernet connector for remote control (TSL 5.0 and SNMP Compatible), RJ-11 connector for TSL 3.1, Audio Jack connector to control the audio channels, LTC clocks and a USB connector for keeping your equipment updated!



Professional Monitor with HD SDI input



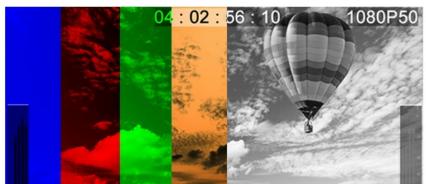
Professional broadcast adjustments

These multiviewer monitors have all professional features and adjustments as UMD and Tally, Blue Only, Aspect Ratio Selection, Markers, Real time color Waveform and Vectorscope per input, 16 Channel Audio Level Meters, Alarms, Timecodes, Clocks & Timers, backlight and color temperature adjustment (5600K, 6500K, 9300K, and RGB Gain and Bias adjustment),.. Box4Boxes monitors integrate user configurable direct keys and encoder to easy navigate through the OSD menu. Any adjustment can be located in a direct key, to access functions just with a press, and keys LED lights can be turned off if required for dark environments.



Markers

Wide range of markers and security areas are available with line color and curtain transparency selection. A User Marker is available if any of standard markers fits your requirements.





Color Temperature and Gamma Selection

Professional colorimetry broadcast adjustments, with Gamma Correction and color Temperature selection (5600K, 6500K, 9300K and user with Red, Green and Blue, Gain and **Bias adjustments)**





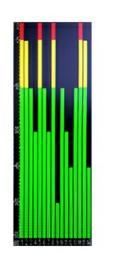
Blue, Red and Green Only, and Monochrome

Blue Only, Red Only, Green Only, Blue All, Red All, Green All, Monochrome and Inverse.



Waveform & Vectorscope

Real time color Waveform and vectorscope. Select between RGB, R, G, B, YCbCr, Y, Cb, Cr Waveform and two different sizes of scopes. Locate the scopes anywhere on the source quadrant.



16 Channel Audio Level Meter

Display up to 16 Channel Audio Level Meters with a wide range of options (All together, Separate in pairs-odds,... Selectable Yellow and Red color level and two different sizes.



Encoder & Dual Funcionality Direct Keys

Encoder to easy navigate through the OSD menu, and direct keys with dual functionality (fixed/configurable). Activate [Fn] Mode to use F1 to F11 keys with your custom configuration and access your favourite adjustments just with a press. Keys LED lights can be turned off if required for dark environments.



Clocks & timers

Display up to 2 clocks and 6 timers in your Layout. NTP and internal clocks and UP and Down Counters.

Image gallery

Alarms

On screen video and audio alarms with selectable color and time selection. No Input, Black Image, No Audio, Silence.



Timecode and Source Format Information On screen ATC Timecode information and Video Format

Information



Tally and UMD

Red, Green and Yellow tally and 16 character UMD compatible with TSL 3.1 and TSL 5.0. Three tally modes available: Square, Border and UMD (all can be activated together)



Border & Text color selection

Selectable Border and Text color. Available colors: black, white, red, green, blue, cyan, magenta, yellow and 7 grey levels.



Soft4Boxes Pro Control Software

Soft4Boxes Pro is a software to control our Multiviewer Monitors and Video Processors. S4B PRO is an intuitive and user-friendly "drag & drop" control software. * Click here for more information!

Key Features

- 42" LED Backlight LCD Monitor
- Built-in Modular Multiviewer system
- Up to 32 inputs (3G/HD/SD-SDI, HDMI (No HDCP),

Specifications

- **Composite Video)**
- Hardware based (NO Pc, NO hard-drive)
- Space-saving, fanless, energy-efficient and lightweight
- aluminium design
- Rugged and user friendly Boxes system for easy integration
- 5 Slots for external boxes (* Boxes not included)
- Wide viewing angles
- 10 bit image processing engine with low processing delay
- Quick control: Easy to use keyboard with user configurable direct keys and encoder
- Brightness, Contrast, Saturation adjustment - Color temperature adjustment (5600K, 6500K, 9300K and
- User (R, G, B Gain and Bias adjustment))
- Gamma correction

Ordering info

- Blue Only / Monochrome
- Aspect Ratio Selection (4:3, 16:9)

Product Documents

- Markers and safety areas
- ATC Time code (3G/HD/SD-SDI)
- No audio, Silence, No input and Black image on screen alarms
- Real time color Waveform (Selectable RGB, R, G, B,
- YCbCr, Y, Cb, Cr) and Vectorscope per input
- 16 Channel Audio Level Meters (embedded audio) (3G/HD/SD-SDI)
- Selectable format of Audio level meters (Vertical or Horitzontal)
- NTP and Local Clocks and Timers
- 16 characters UMD and video format information per input
- Tally and UMD, TSL 3.1 and 5.0 compatible
- Selectable Background, border, text color
- Free user friendly drag and drop control software and firmware update by USB

More CBM references:



CBM-185H

- Full HD 18,5" LED **Backlight LCD Monitor**
- Built-in Multiviewer
- 1920 x 1080 pixels
- Brightness: 350 cd/m²
- Contrast: 1000:1
- Wide viewing angles
- 3 Slots for external boxes - Up to 16 inputs
- * Boxes not included

View details »

CBM-185P

- 18,5" IPS LED Backlight
- **LCD Monitor**
- Built-in Multiviewer
- 1366 x 768 pixels - Brightness: 250 cd/m²
- Contrast: 1000:1
- Wide viewing angles
- 3 Slots for external boxes - Up to 16 inputs
- * Boxes not included

View details »

Box4Boxes combinable products:



CBP-100 Multiviewer Processor

CBP-100 is an easy to use 1RU Modular Multiviewer Video **Processor based on slot and Boxes system. With superior** quality 10 bit image processing engine, the CBP-100 is a space-saving, fanless and energy-efficient hardware based Multiviewer (no PC and no hard-drive) with low processing delay.

View details »

SUPPORT

NEWS

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- Monitor - Built-in Multiviewer
- 1920 x 1080 pixels
- Brightness: 360 cd/m²
- Contrast: 4000:1
- Wide viewing angles
- 5 Slots for external boxes
- Up to 32 inputs
- * Boxes not included

View details »



CBS Boxes. All inputs you need!

Rugged and easy to integrate 3G/HD/SD-SDI, HDMI, CVBS input boxes and control boxes for our Box4Boxes systems. **Create and configure custom Multiviewer LCD Monitors and Multiviewer Processors!**

View details »

INFO

ABOUT US DOWNLOAD OUR CATALOG 2020

* Specifications are subject to change without prior notifications

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CBM-238

LCD Monitor

- 23.8" IPS LED Backlight

- Built-in Multiviewer

- 1920 x 1080 pixels

- Wide viewing angles

* Boxes not included

- Contrast: 1000:1

- Up to 16 inputs

View details »

- Brightness: 250 cd/m²

- 3 Slots for external boxes

