



# Virtual System Platform

FOR-A's newly developed virtual system video platform is a next-generation video platform intended specifically for building a virtual system/RCG system. This platform provides substantially improved performance for PC-based real-time graphics solutions, and it also enables the adding of optional broadcast-quality chroma key functions for building a practical and compact system. Combined with the Brainstorm eStudio virtual system software, this platform dramatically boosts the capabilities of real-time graphics, expands the boundaries of creativity, and supports the creation of even more appealing content.

## MBP-1244: Video Platform

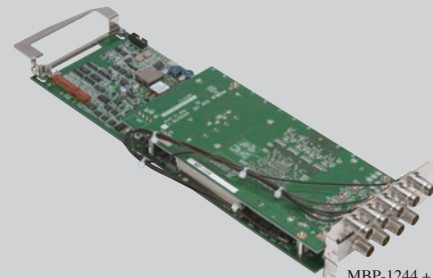
- Video I/O board to be installed on PC workstations
- 4 inputs (camera, video wall 1 V/K, video wall 2 V), 4 outputs
- Installation of PCI Express x8 bus
- Camera delay adjustable (7 frames)
- 2 mixing engines of 4 layers
- Bypass function

## MBP-12RU: Remote Control Unit

- Remote control unit for controlling MBP-1244 and MBP-12CK
- Intuitive operation using touch panel and button controls
  - 5.7-inch full color VGA LCD (with touch panel):  
For display and operation of control GUI
  - Switches: Frequently-used, predefined functions can be freely assigned to switches
  - Dials: Chroma key adjustment, parameter adjustment
- Can be used with the MBP-12GUI
- Control of multiple (up to five) MBP-1244 boards is possible from a single MBP-12RU



MBP-12RU



MBP-1244 + MBP-12CK

## MBP-12CK: Chroma Key Option

- Chroma key board that can be installed in the MBP-1244
- High-performance auto chroma key function based on a proprietary FOR-A algorithm that features quick, simple, and high-quality chroma key composition
- Edge color replacement function for correcting incorrect colors on the edges
- Filtering and other functions for reducing flickering noise

## MBP-12GUI: Remote Control Software

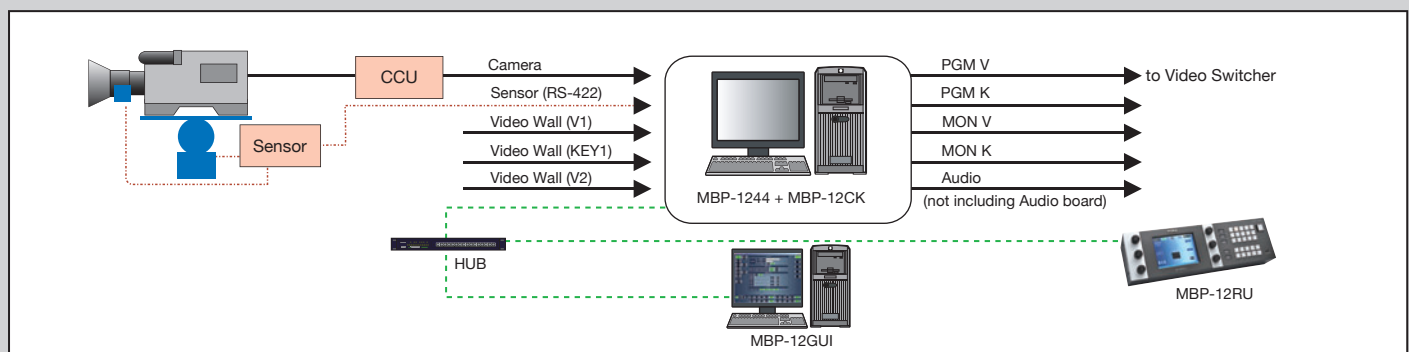
- Control software for controlling MBP-1244 and MBP-12CK
- User-friendly design providing an easy-to-use GUI
- Enables saving and calling from 100 event memory, television systems, genlock settings, camera delay settings, mixer settings, chroma key settings, and other parameters
- Control of multiple (up to five) MBP-1244 boards is possible from a single MBP-12GUI



Main Unit Set Up Display



Auto Chroma Key Display



# Virtual System Platform

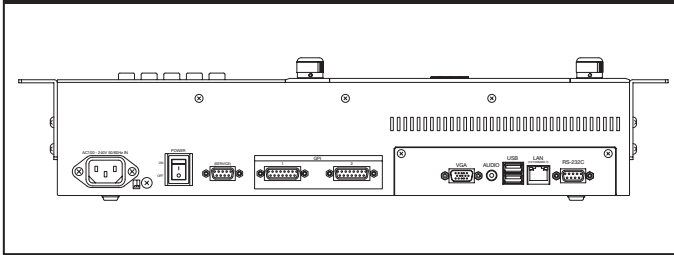
## ■ MBP-1244 specifications

Standard	HD: 1080/59.94i, 1080/50i (Other formats to be released) SD: 525/60, 625/50
Standard (option)	1080/30p, 1080/30PsF, 1080/29.97p, 1080/29.97PsF, 1080/24p, 1080/24PsF, 1080/23.98p, 1080/23.98PsF
Video Input	HD-SDI: 1.485/1.001Gbps or SD-SDI: 270Mbps, 75Ω, 4 inputs, BNC Camera x 1, Video Wall x 3 (V1/K1, V2)
Video Output	HD-SDI: 1.485/1.001Gbps or SD-SDI: 270Mbps, 75Ω, 4 outputs, BNC
Reference Input	BB: NTSC: 0.429Vp-p/PAL: 0.45Vp-p or Tri-level sync: 0.6Vp-p 75Ω, 1 input, BNC
Host Interface	PCI Express x 8
Require Slot	2 slots
Signal Processing	4:4:4:4 RGB
Temperature / Humidity	10°C - 35°C / 30% - 90% (no condensation)
Power / Consumption	+12VDC - +24VDC / Approx. 25W
Dimensions / Weight	311 (W) x 111.15 (H) mm / Approx. 0.5kg
Accessory	Operation manual
Option	MBP-12CK: chroma keyer card

## ■ MBP-12RU specifications

Specifications	
Power / Consumption	100VAC - 240VAC 50/60Hz / Approx. 25VA at 100VAC, 31VA at 200VAC
Dimensions / Weight	430(W) x 132(H) x 87(D) mm / Approx. 3.5kg
Interface	LAN: 10/100Base-TX, 1 port, RJ-45 (for MBP-1244 Remote Control) USB2.0: 3 port, Series A connector (For USB memory, Keyboard and Mouse connection) RS-422: 1ea., 9-pin D-sub (female) (for firmware update) GPI: 2ea., 15-pin D-sub (male) (unused) VGA: 1ea., 15-pin D-sub (female) (unused) AUDIO: 1ea., RCA pin jack (unused) RS-232C: 1ea., 9-pin D-sub (male) (unused)
Accessories	Operation manual / AC cord / Rack mount brackets

## ■ MBP-12RU Rear Panel



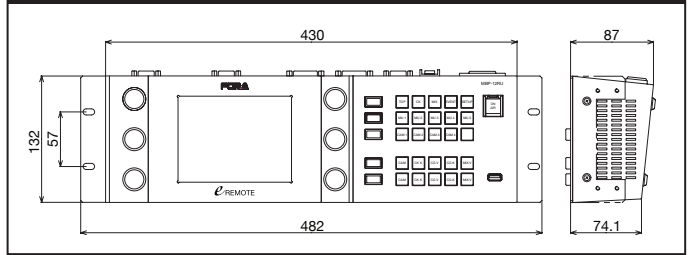
## ■ MBP-1244: Recommended specifications for PC workstations

OS	Microsoft® Windows® XP Professional, 32bit, SP2 or higher
CPU	Quad Core Intel® Xeon® X5460 x 2 or more
Main Memory	4GB or better
HDD	SAS (Serial Attached SCSI) HDD
Extended Slot	PCI Express x 8 + adjacent empty slot
Graphics Card	NVIDIA Quadro® FX5600

## ■ MBP-12GUI: Recommended specifications for PC workstations

Model	PC/AT compatible
OS	Microsoft® Windows® XP Professional 32bit SP2 or higher
CPU	Intel® Core™ 2 Duo 1GHz or better
Main Memory	1GB or better
USB Port	USB1.1 or better, 1 port or more
Network Port	Ethernet 100Base-TX, 1 port or more
Library	Microsoft® .NET Framework 2.0 SP1 or higher
Display Resolution	1024 x 768 pixels, Full color

## ■ MBP-12RU External Dimensions



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