DIMAX-Pro the Hybrid Matrix Family

3-in-1 Solution by Integrating Matrices and Video Walls

- ✓ Modular chassis to serve 4x4 to 64x64 configurations
- ✓ Scaling matrix, routing matrix and video wall sections
- ✓ Hierarchically assigned operators and rights
- ✓ Live preview of multiple input signals

System Characteristics

The DIMAX-Pro name - as a new class in the AV industry - covers hybrid matrix switchers that can satisfy all rendering requirements of an AV project, an office department, a building or even a factory. This unprecedented 3-in-1 solution integrates presentation matrix, routing matrix and video processor into a single chassis.

- **The presentation matrix** offers scaling, seamless switching, cross fade switching and PIP rendering
- **The routing matrix** performs signal conversion and matrix switching from any input to any or multiple outputs
- **The video processor** can drive video walls with real time display and scaling of input signals to any output screen or wall position

DIMAX-Pro introduces the new concept of section. Each of the sections may have assigned input signals to handle, outputs to control and users with different access rights. The hierarchical user right system ensures user access and control to selected sections only.

The world class DIMAX-Pro modular devices are built up using 16x16, 32x32 or 64x64 chassis. They process minimum 4, maximum 64 input and output signals. HDMI, DVI, RGB, analogue video, SDI, direct HDBaseT and optical signals are handled with full HDCP protection. DIMAX-Pro offers local or network based HTML5 compatible, intelligent control system with live preview of any signal.

DEXON Systems Ltd.

E-mail: sales@dexonsystems.com Web: http://www.dexonsystems.com
Phone: +36 23 422 804 Fax: +36 23 445 199 Address: Baross u. 165. H-2040 Budaörs, Hungary

Main Features

Input Boards

- Universal input board
- DVI input board
- HDMI 4K input board
- Cat 4K input board
- Fiber Optic 4K input board
- SDI input board
- Composite video board

Output Boards

- DVI output board
- HDMI 4K output board
- Cat 4K output board
- Fiber Optic 4K output board
- SDI output board
- HDMI/DVI/Cat output board

Input Signal Specification

Digital HDMI
HDMI 2.0 and HDCP 2.2 specifications
from 640x480 to 4096x2160
Digital DVI
DVI 1.0
from 640x480 to 1920x1200
RGB, VSYNC, HSYNC
from 640x480 to 1920x1200
Component video, YPbPr
576i, 576p, 480i, 480p, 720p, 1080i, 1080p
S-video, Composite video
PAL, NTSC, SECAM
SDI
3GSDI, HD-SDI, SDI
HDBaseT
up to 100m (330 feet)
from 640x480 to 4096x2160
Fiber Optic
multi-mode up to 1,600m
from 640x480 to 4096x2160

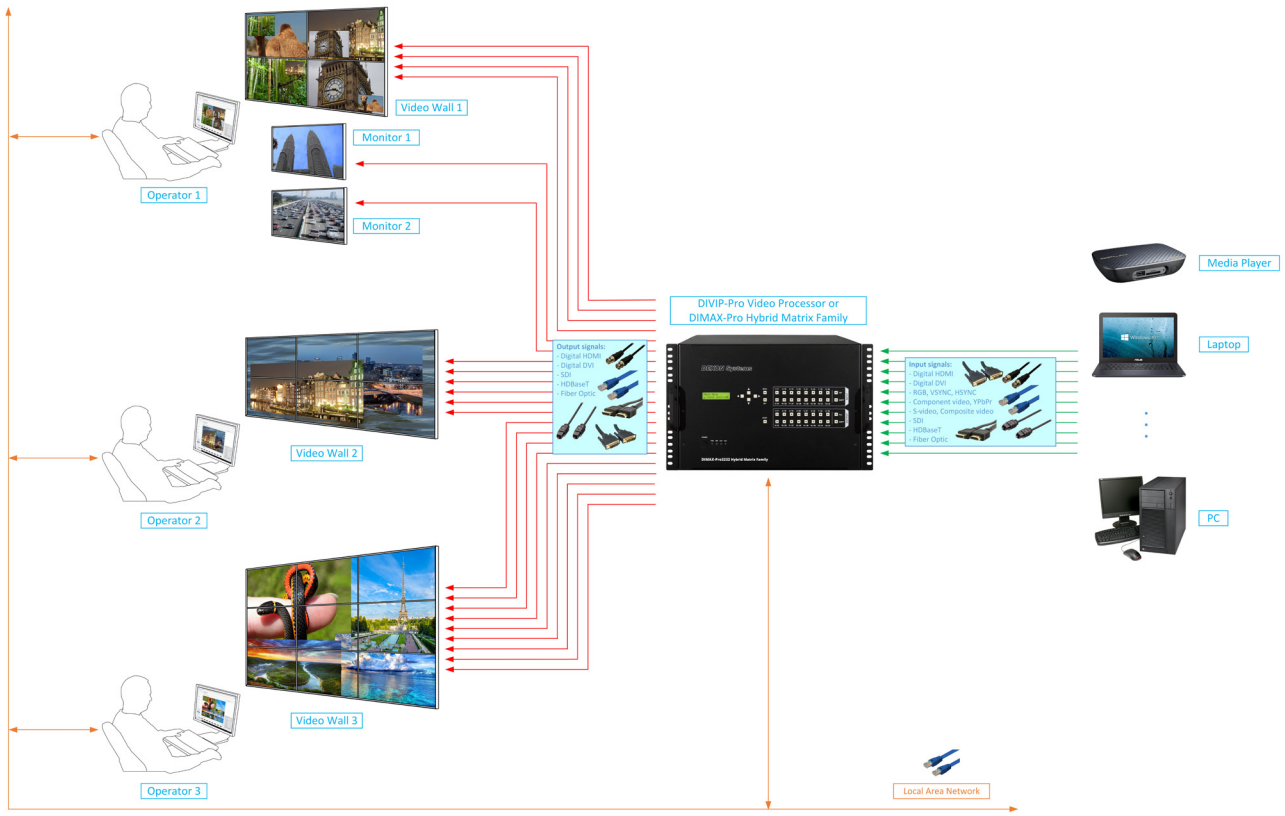
Output Signal Specification

- **Digital HDMI 1.4 and HDCP 1.2**
  from 640x480 up to 3840x2160 pixels
- **Digital DVI 1.0**
- **Fiber Optic** up to 1,600m (5,250 feet)
- **HDBaseT** signal up to 100m (330 feet)

General

- Dimensions: 483 x 178 x 526 (mm)
  483 x 296 x 526 (mm)
  483 x 613 x 526 (mm)
- 19” rack-mountable enclosure

Application



DEXON Systems Ltd.

E-mail: sales@dexonsystems.com Web: http://www.dexonsystems.com
Phone: +36 23 422 804 Fax: +36 23 445 199 Address: Baross u. 165. H-2040 Budaörs, Hungary