

CASE STUDY

KOMPAS TV Furnishes Studio With New Dynamic Display Background

V2 Indonesia installs LED and LCD solutions for a more interactive experience



KOMPAS TV established in 2008, currently enjoys viewer-ship in more than 100 cities with an estimated 200 million viewers across Indonesia. Its mission is to provide informative, educational and entertaining programmes that are distinctive to its brand. In line with this, other than the quality of the content, the station also wants to lead the way in High Definition broadcast to ensure higher resolution images where viewers can enjoy vivid image details and sharper colours. With these objectives in mind and wanting to create further engagement with its viewers, KOMPAS TV decided to furnish one of its larger studios with more dynamic and interactive displays to complement its news and talk-show programmes.

To fulfill this ambition they wanted a clean background display feel that had to have proven technology stability. As many of the programmes are broadcast

live it was important to ensure that the displays worked smoothly.

KOMPAS TV engaged BDI as the design consultant for the studio and engaged PT V2 Indonesia to specify, supply, integrate and commission the displays. V2 already had a track record in this aspect as it had already handled similar requests for four different TV stations in Indonesia specifically for the News studios and thus there was a sense of confidence and comfortability both on the part of the TV station as well as BDI in engaging V2's services.

The Solutions

After much discussion that centered around the design of the studio, the display placements, the impact considerations in relation to broadcast specifically reflections and of course ease of use and stability, V2 Indonesia integrated the following solutions.

The studio is split into three presentation areas. The first area is the presenter area that features a table and is meant to be used by the newscasters or talk-show presenters. The front of the presenter table is installed with Unilumin P3 LED panels. The LED panel follows the curve of the table and is used to showcase the program name and logo.

Behind the presentation table, is a 7 x 4 ORION LCD videowall configuration. Each ORION display measures 46". The backdrop is further augmented with a 18mm x 30mm LED Curtain that is used as back-light and for running text. A little to the right of the ORION videowall is another set of mosaic-tiered Unilumin P3 LED panels. The presenters and the presenter table is rotatable thus providing the option to switch backgrounds between the ORION LCD videowall and the mosaic-tiered LED panels.

To the furthest right within the studio, the environment changes to a "couch-style" discussion space for guests. Once again the Unilumin LED panels are integrated. The centre screen consists of the Unilumin P3 LED panels with the left and right LED panels consisting of the Unilumin P6 LED panels. In this setting a haze glass is overlaid over the panels to ensure a smooth display is seen by the viewers. This was done to take into account the zooming of the camera which would have created "noise" in the background where the LED panels are installed.

Between the presenters area and the couch area is a 2x2 ORION display that is used for weather presentations as well as to show various graphics.

The TV studio's visual displays as such have been segmented to offer different scenarios for different uses thus offering them flexibility and creativity when producing the programmes. BDI also ensured that the studio lighting have been placed strategically such that they offer the required brightness for the camera and the presenters but at the same time ensuring that they do not cause reflection off the displays.

"The Unilumin LED displays are specially manufactured to work in a Broadcast studio environment. It offers wide viewing angle and its fan-less design ensures there is no noise. It also supports multiple media sources. It is a proven solution in the broadcast environment," said Rudi Hidayat, Managing Director, V2 Indonesia.

Control

The LEDs for the presenter's table, the background and for the talkshow as well as the ORION displays are all controlled via a tvONE Coriomaster videowall



processor. This cost effective processor is easy to use and is able to control multiple video walls simultaneously. Multiple windows can be used on a video wall to display the physical inputs into CORIOmaster. Windows can be sized to fit the wall or multiple windows added, resized and rotated 360 degrees on the video wall independent of the output rotation. In tandem with the CORIOgrapher control software each individual window on the videowall can transition to different sources smoothly.

Conversion and scaling duties are assigned to RGBLINK VSP 198S units. The VSP 198S can accept all kinds of video signal, including computer video, HDTV and standard definition video. It supports seamless switching between the inputs and offers advanced image resolution conversion technology and video synchronous processing technology.

Transmitting the DVI signals from the Coriomaster to the Orion displays are Auromage DVI cables. "These cables are AV installer friendly. In projects generally the DVI connector is too big to pass through the pipe but the CAB-DX-EOE consists of three parts. There is the left and right DVI connector with cable with a middle connecting cable that passes through the cable pipe first and which then allows for the left and right DVI connectors to be screwed down on both sides," said Rudi... Offering highest bandwidth of up to 1.65Gbps

and 1920x1200@60HZ resolution it is a perfect fit for broadcast installations.

Meeting The Objectives

"We were able to meet the TV station's as well as the design consultant's expectations with our solutions. Flexibility, Ease-of-use, Reliability and importantly a dynamic look and feel have been incorporated into the studio giving it that extra edge to complement the wonderful content," said Rudi.

As for KOMPAS TV, they are pleased with the outcome and believe that it strengthens their branding.

www.V2indonesia.com
www.unilumin.com
www.oriondisplay.net
www.tvone.com



PROJECT FACTFILE

- Client: KOMPASS Tv
- Location: Jakarta, Indonesia
- Segment: Media and Television
- Systems Integrator: PT V2 Indonesia
- Task: To provide dynamic visual backdrop displays that offer stable technology and are easy to use and maintain.
- Key Solutions Installed:
 - ORION LCD Displays
 - Unilumin LED Panels
 - tvONE CorioMaster video processor
 - RGBLink Scalers
 - Auromage DVI cables