MOBILE MODULE FOR PRODUCTION AND DISSEMINATION OF MULTIMEDIA CONTENT

- NATO UEO2 SHELTER = MOBILE DIRECTION The audio visual diffusion system has been designed to guarantee maximum flexibility of use and integration with any audio / video system of broadcast and non-broadcast level, providing F.F. A.A. the means for the acquisition, recording, post-production, transport and dissemination of multimedia content. The NATO UEO2 Apparatus shelter (or also known as the 'regia') is the organ of control, coordination and selection of the visualizations / recordings of the images on the Ledwall (Maxiscreen). It represents the operating center where video / audio production and all editing, titration and creation of video effects takes place. Physically, the direction houses the console which contains the video mixer, audio mixer, titrator, monitors and intercoms. Inside the shelter, the arrangement of the electronics on three columns of racks was chosen based on operations; the three environments, production, contribution, engineering, give full accessibility to all machines.

The interconnection between the ledwall and the control unit is possible via fiber optic cable or alternatively, to ensure compatibility with other systems, with analog or SDI copper cable.
The shelter regia is the control, coordination and management body of the displays on the ledwall, it performs a technical check verifying in real time that all the standards and image levels are correct, it also has the task of the audio parts with all the sources which competes with it: microphones, audio input and output lines, distribution of the audio signal to all the referents.

• LEDWALL = LED MAXI SCREEN
It is composed of various modular LED panels which, in the final configuration, form a single Maxiscreen with an area of approximately 12m² (4: 3 ratio) thanks to the use of metal supports and special supports.

The giant screen is housed on a base frame that incorporates the external dimensions of the base of the UEO2 shelter with n. 4 Corner blocks positioned at the vertices joined together with extruded drawn parts. 4 mechanical jacks in order to be able to level the assembly correctly during the deployment phase.
This solution allows to install, transport, move and deploy the LED screen and related accessories in a short time. Attra- toward the hydraulic arm, placed at the center of the base of the frame, you can be rotated to the 90 ° giant screen about and to be able innalza- king of about 2 mt.

MAIN FEATURES OF THE SYSTEM:

C130H / J aircraft in pressurized and non-pressurized compartment Shelter operating temperature: -32 ° C to + 49 ° C;

Ledwall operating temperature: -20 ° C to + 40 ° C; Wind: gusts up to 130 Km / h
Hail: up to 30 mm max diameter (according to ASTM1925-99) Salt mist 0.75 ng / m3
100% humidity for 4 hours, 97% for 20 hours (according to ASTM1925-99) Rain> 40 mm / h with inclination up to 90 °easy air transport on rails, road or ship, in order to ensure the component to move quickly from the deployment order; adequate construction criteria to ensure the survival of the system, the security of the information processed, the safety of staff.
Predisposition to operate in an NBC environment; protection of personnel safety and health to ensure livability according to the non-military regulations in force and having as reference the ergonomic criteria provided for autonomous conditioning capacity of the operating environments; operate in all weather and atmospheric conditions even in adverse climatic environments such as desert, tropical, subpolar and alpine areas limit / mask as much as possible the electromagnetic emissions of electronic components; respect the electromagnetic compatibility standards envisaged; possess autonomous mimicry skills on the ground.

Advanced construction criteria in terms of environmental protection in order to limit any possible impact on the environment due to the use of the system itself
from -30 ° C to + 55 ° C and humidity up to 98%;
Starter battery will consist of two 12V 200Ah monoblocks (connected in series) of the watertight type without maintenance with battery holders capable of withstanding static transport accelerations;
24V 10A battery charger with electronic regulation for automatic recharging of batteries and keeping them in storage;
Stainless steel fuel tank with sufficient capacity to guarantee a 24-hour autonomy with fuel level indicator, quick emptying system, automatic refueling pump, manual priming pump
nr 1 output connector
1 input connector 1 service socket
Drip tray for power outlets