

devä



Your eyes on the Future

Deva is a multimedia device that is unique in the market and that enables playlist and audio messaging reproduction in a completely automatic fashion.

Thanks to the integrated camera, Deva is able to stream video to video-analysis and surveillance softwares. It also features multiple sensors that allow the acquisition of environment data, thanks to which it's possible to enable actions towards the public.



SAFETY

The in-built camera is able to stream low and high resolution video (Full HD) compatible with all video analysis and surveillance softwares.

The sensors allow the acquisition of environment data that can be used to trigger deterrence actions towards the public or to alert the system administrators.



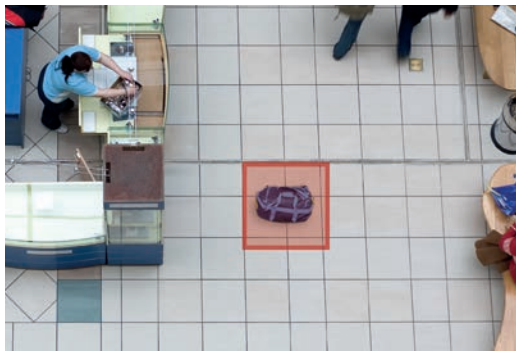
Fence Control Camera

An audible alarm can be triggered through intrusion and proximity detection, and an alert message can be sent to the administrators.



Queue Counter

Queue lengths can be detected and waiting times can be estimated, while alarms can be triggered to inform about the capping of the capacity threshold.



Abandoned object detection

Abandoned objects can be detected and an alarm can be sent to the administrators.



SOS Messaging

Real time emergency messaging (missing child, evacuations, ecc)



Cincinnati Zoo

Challenge

The messaging system at the Cincinnati Zoo was beginning to show the passing of time and the cables were often the subject of unsolicited attention given by the animals hosted within the structure.

Even though safety messaging plays a crucial role in such applications, the system must be able to transform in an entertainment one, enabling the diffusion of music programs.

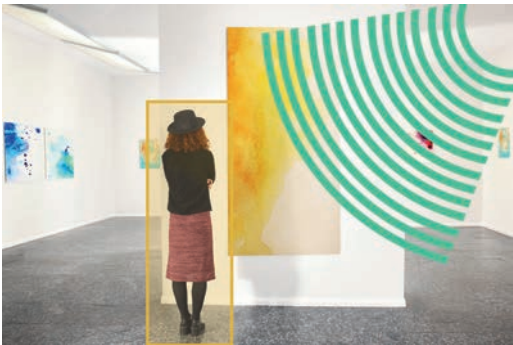
Result

A system that offers advanced messaging and takes advantage of the remote operability of Deva to deliver full coverage throughout the Zoo, that offers reliability when used as a safety system, and performances when used as an entertainment one.



ENTERTAINMENTE/INFORMATION

Deva conjugates safety and entertainment requirements, and enables the system administrator to diffuse music, service messages, and promotional information to different zones, both in a programmed fashion or automatically in function of the environmental parameters.



Automatic diffusion

Audio reproduction is triggered by the presence of an attendee and contains information about the displayed piece.



Programmed diffusion

Opening and closing messages and other service information can be programmed to be reproduced automatically and at a high level of intelligibility.



Background music

Audio can be sourced from pre-loaded playlists, FM radio, Internet radio, Bluetooth, and cabled devices.



Bergamo Alta

Challenge

Bergamo's peculiar architecture poses significant challenges to the integrator. In order to operate in an adequate manner, the system must be highly decentralized and must take advantage of the city's Wi-Fi infrastructure.

The system must also integrate within the environment in an unintrusive manner.

Result

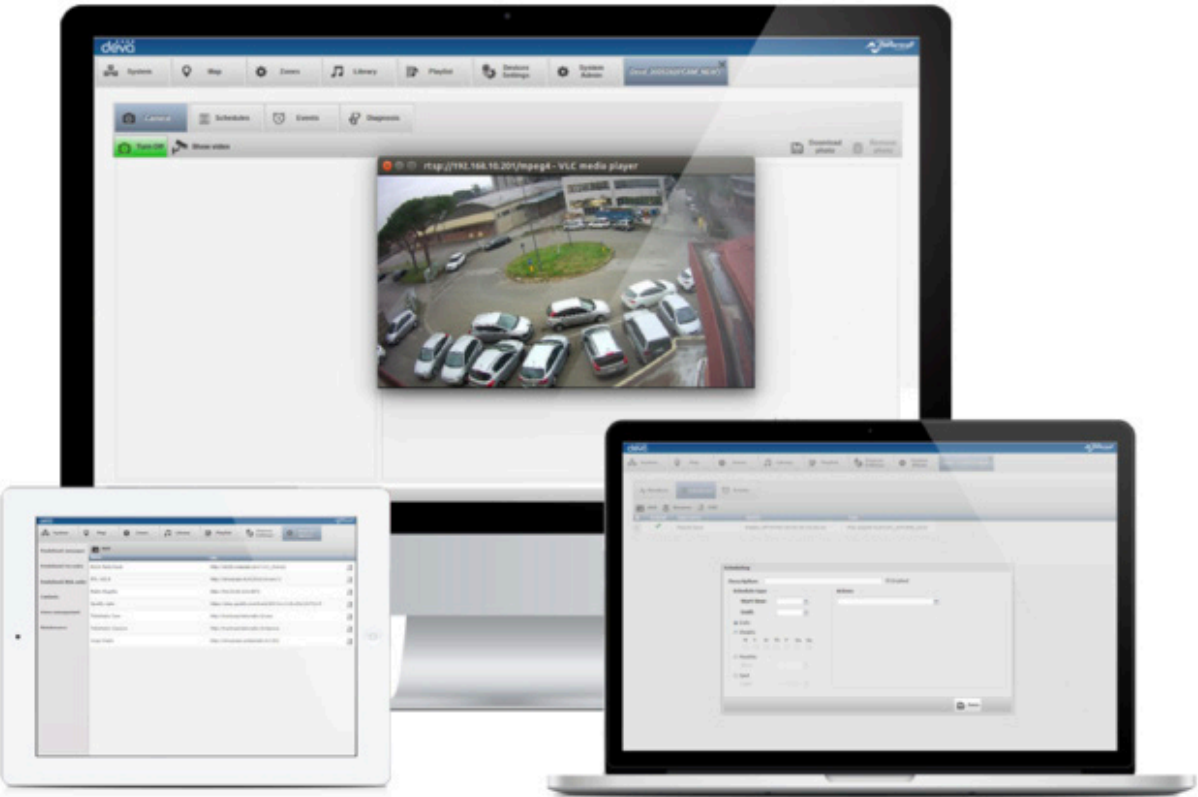
Thanks to its advanced remote operability features, Deva was installed in the main street of the city where it is used as a messaging and music distribution system.

The shell has been customized by a local artist to reduce Deva's visual impact.



SOFTWARE MANAGER

The DEVA Software Manager provides a full set of tools to configure and program the installed DEVA system. Configure the camera linked in a network or areas of interest and in accordance to specific daily, weekly, monthly and yearly requirements. Decide how to stream video data, wirelessly (Wi-Fi or 4G) or over standard (LAN).



DATASHEET

				
FEATURE LIST		HD	AUDIO	PASSIVE
	Programable and networked multimedia system for autonomous operation	✓	✓	
	Environmental friendly design, manufacturing and operation	✓	✓	✓
VIDEO	Video camera streaming resolution	Up to full HD		
	Onvif™ compliant accessible by third-party security system	✓		
	Still-image resolution	Up to full HD		
	Ir-sensitive video camera for nigh-vision surveillance ¹	✓		
	High-powered PWM controlled LED-light for area illumination	✓		
AUDIO	High-powered audio messaging	✓	✓	✓
	High-quality music distribution	✓	✓	✓
	Radio broadcast programmable FM receiver	✓	✓	
	Web-radio connectivity ⁴	✓	✓	
	Dual-channel amplifier using Class-D amplifier technology	✓	✓	
	Multichannel audio bus with priority override	✓	✓	
	GPS/network audio synchronization among networked units	✓	✓	
SENSORI	Motion and proximity detection	✓	✓	
	GPS connectivity with Google Maps™ positioning and data	✓	✓	
	Environmental sensors ⁸	✓		
	Activity scheduling and monitoring	✓	✓	
RETE	Wifi (802.11 a/b/g/n/d) network connectivity - 2.4 / 5 Ghz	✓	✓	
	Ethernet (cable / rj45) connectivity	✓	✓	
	VPN secure networking (wlan/lan/3g)	✓	✓	
	4G connectivity ⁵	✓		
	Infrastructure / accesspoint mode	✓	✓	
POWER	Solar power recharge support	✓	✓	
	Poe+ recharge support	✓	✓	
	High-capacity internal energy storage	✓	✓	

¹ Requires external IR beamer / light
⁴ Only public free web-radio
⁸ Temperature, humidity, barometric pressure, light level
* Function controlled by hosting Deva master unit



DRIVING HUMAN AUDIO EXPERIENCE