Orchid | Video Management Software

With multiple VMS platforms supporting a diverse set of surveillance configurations, IPConfigure Orchid is used by customers ranging from small business owners to some of the world's largest global retailers. Recognized for its reliability and ease of use, Orchid provides local and remote access to live and recorded video through an intuitive web browser interface, with the same user experience on both workstations and mobile devices.

The Orchid web interface is hosted by one or more Orchid servers running on traditional Windows or Linux systems, NAS storage devices, or on supported embedded hardware. Orchid supports over 2,500 IP cameras through the ONVIF Profile S specification. This cross-platform flexibility adapts to your existing infrastructure and reduces IT, hardware, and licensing costs.

Orchid VMS Platforms

	Embedded	Server	Distributed
	Orchid VMS is available as a fully-featured, self-hosted VMS for embedded devices such as IP cameras and single-board computers.	Orchid VMS is available as a standalone VMS for traditional servers, as well as devices that use Intel processors, such as certain NAS drives.	Using Fusion Hypervisor, multiple Orchid VMS servers can form the backbone of a fully distributed, multi-server VMS system.
Camera Count	Up to 4 recommended	Unlimited	Unlimited
Hardware Platforms	Embedded: ARM, MIPS	x86_64 (Intel-compatible)	x86_64, ARM, MIPS
Server Operating Systems	Linux	Linux, Windows, Windows Server	Linux, Windows, Windows Server
Camera Resolution	Up to 1080p	Unlimited	Unlimited
Camera Frame Rate	Up to 15 fps	Unlimited	Unlimited
Topology	Standalone (single device)	Standalone (single server)	Distributed (multiple servers or devices)
Low-Bandwidth Mode	Yes	Yes	Yes
Motion Detection Analytic	Yes	Yes	Yes

Key Features

Accessibility
Touch-Capable UI
OS Independence
Multiple Locations

Adaptability
Hardware Flexibility
ONVIF Profile S Conformant
Open RESTful API

Simplicity
No External Dependencies
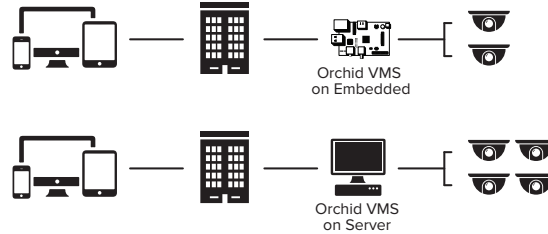Installs in Seconds
Bulk Camera Registration

Security
SRTP Video & Audio Encryption
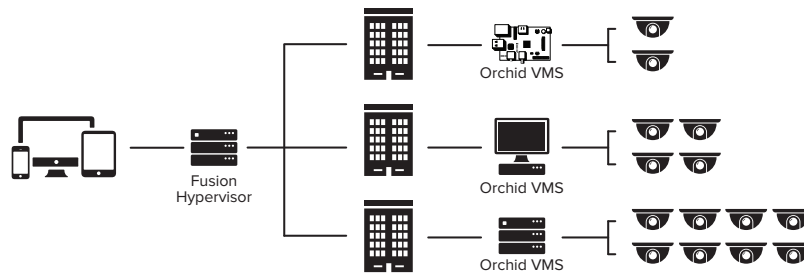HTTPS Web Encryption
Orchid Certificate Service

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Standalone Architectures

Orchid VMS on Embedded

Orchid VMS on Server

Orchid's standalone architecture leverages a single server or embedded device per location with IP cameras or encoders on a local network. Orchid supports remote access via web browsers on workstations or mobile devices.

Distributed Architecture

Fusion Hypervisor

Orchid VMS

Orchid VMS

Orchid VMS

Orchid's distributed architecture uses Fusion Hypervisor to aggregate live and recorded video from multiple Orchid VMS servers into a single user interface. Like Orchid, Fusion Hypervisor is cross-platform and may be hosted in the cloud or on-premise.

Orchid Capabilities

Supported Browsers	Chrome, Safari, IE, Firefox, Opera	User Management	Unlimited User Accounts with Fixed Roles
Client Operating Systems	Android, iOS, Linux, Windows, OS X	Pan-Tilt-Zoom	Digital and Optical
Language	English, extensible via SDK	Search Analysis	Timeline Bar with Motion Events
Video Codecs	MJPEG, MPEG-4, H.264	Playback	Simultaneous Live and Recorded
Audio Codecs	AAC, G.711	Export Format	MKV, MOV
Web Security	HTTPS Web and API Encryption	Recording Modes	Continuous, Motion-Only, Motion Variable Frame Rate
Video Security	SRTP Video and Audio Encryption	Reports	Health and Troubleshooting
Video Retention	Configurable per Camera	Network	Gigabit Recommended

To learn more: 877-207-1112 or sales@ipconfigure.com