# Ipsotek VISuite 10.1
# Milestone Certification
# 2017

Certifying Ipsotek's VISuite 10.1 with the Milestone XProtect Expert and Corporate
Document Version 2.0

## Approvals

| Title | Name | Date |
|---|---|---|
| Global Quality Control Manager | James Black | 18-04-2017 |
| Technical Director | Boghos Boghossian | 20-04-2017 |

## Document Version History

| Version | Date | Author | Details |
|---|---|---|---|
| 0.1 | 15/02/2017 | Alexander Salter | Document Creation |
| 1.0 | 10/04/2017 | Alexander Salter | Complied After Testing |
| 1.1 | 18/04/2017 | Alexander Salter | Minor Update after review |
| 2.0 | 20/04/2017 | Alexander Salter | Minor Update after review |
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## Definitions and Abbreviations

| Acronym | Description |
|---|---|
| *VISuite* | *Ipsotek's Video Content Analysis Software* |
| *VIZ* | *Visualisation Business Intelligence Tool.* |
| *VIConfig* | *Ipsotek's Configuration Tool.* |
| *VCA Server* | *Video Content Analytics Server* |
| *IVA* | *Intelligent Video Analytics* |
| *VMS* | *Video Management System* |
| *VIS* | *Video Intelligent System* |
| *MIP* | *Milestone Integration Platform* |
| | |

## Associated Documents

| Ref. | Title | Identity |
|---|---|---|
| | | |

# Contents

# 1. Introduction

This document summarises the results from the Ipsotek <> Milestone Certification Testing. The results summary indicates the tested and supported functionality for the Milestone Professional and Milestone Corporate software.
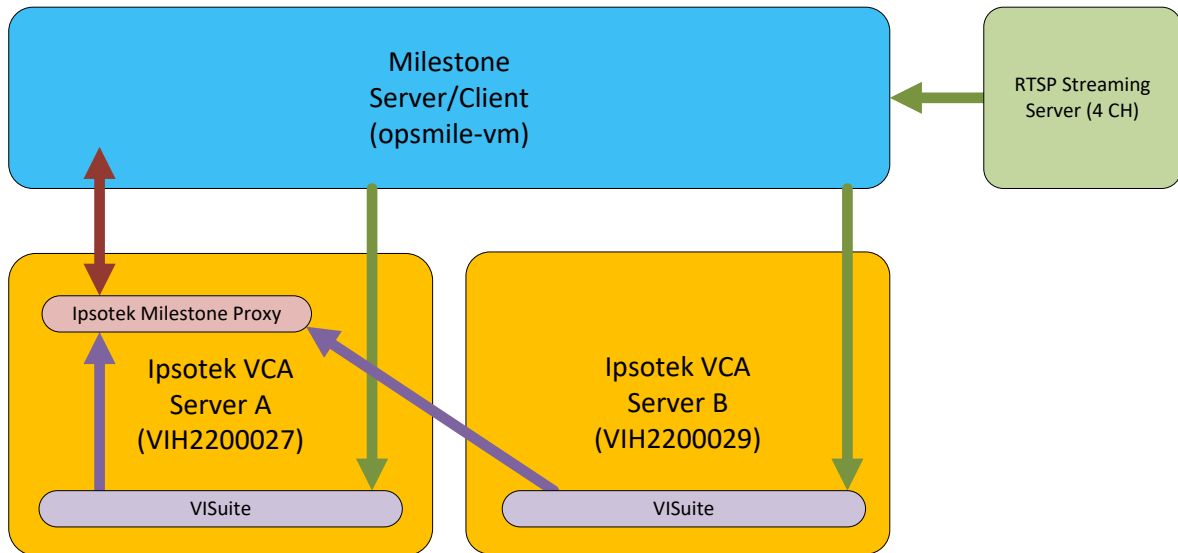
# 2. Versions

| Software | Version | Hardware Platform |
|---|---|---|
| Ipsotek | VISuite 10.1.114 (Minor version VISuite 10.1.114.6) | 2 x VIS1505 |
| Milestone | Milestone Corporate 2017 R1 (Minor version 11.1a) | Virtual Server running WS2008R2 |
| | Milestone Professional 2017 R1 (Minor version 11.1a) | |

# 3. Setup

- VCA Server A running VISuite and Ipsotek Milestone Proxy
- VCA Server B running VISuite
- Virtual Machine running Milestone Server
- Client Computer running Milestone Smart Client
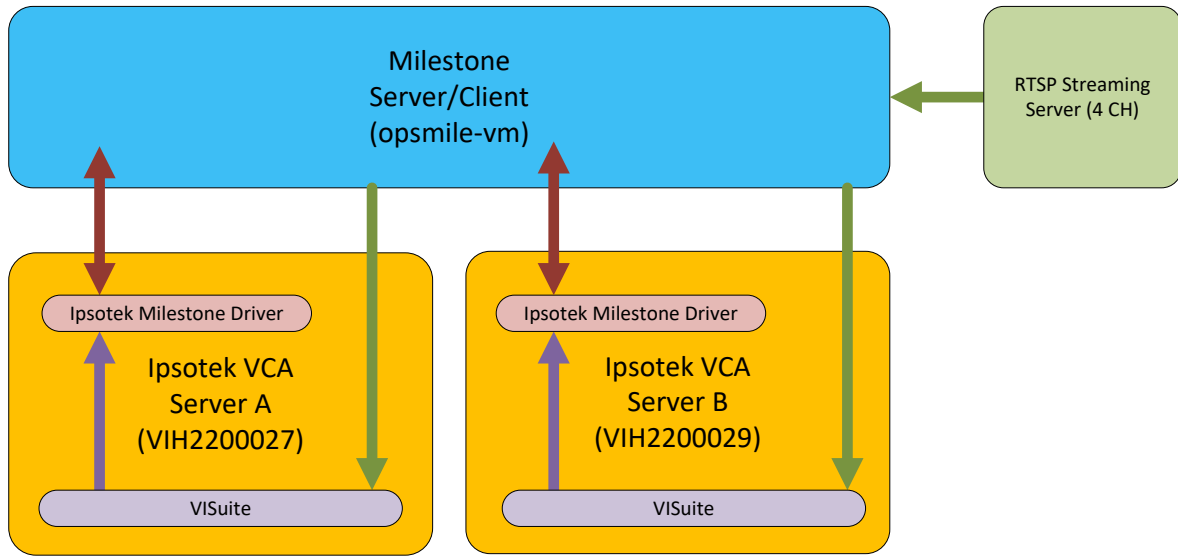- RTSP Streaming Server streaming 4 channels of video.

# 4. Functionality Results

## 4.1 Corporate



- Milestone configured to receive 4 RTSP streams as 8 separate cameras; A-C01 to AC04 and B-C01 to BC04
- Ipsotek Server A and Server B both running VISuite software configured to use the Milestone Driver integration (Video retrieval only.)
- Ipsotek Server A running the Milestone Proxy (Alerts and Metadata)
- Ipsotek Server A and Server B connect to Milestone Server to retrieve live video for respective cameras.
- Ipsotek Server A and Server B send Alerts & Metadata to the Milestone Proxy that then forwards these to the Milestone Server.
- Milestone Server/Client running Milestone Recording, Event and Management Servers.
- Milestone receives the alarms as Analytics Events and receives the metadata as a metadata stream.
- The Milestone client then plays back the recorded video with the Ipsotek metadata overlaid, within the Milestone Smart Client.

| Req | Description | Corporate |
|-----|-------------|-----------|
| F.1 | **Receive video stream from Milestone System via Ipsotek plugin** | ✔ |
| F.2 | **Raise Milestone XProtect Analytics Event** | ✔ |
| F.3 | **Ipsotek Metadata sent to Milestone and displayed on Analytics Events raised in Milestone Smart Client** | ✔ |
| F4 | **Ipsotek Alarm Playback Component used to display and review alerts with metadata** | Not Applicable<br><br>Metadata approach is used |
| F.5 | **Ipsotek VIconfigure Component used to configure server** | ✔ |
| F.6 | **Ipsotek Reporting Component used to view reports** | ✔ |

## 4.2  Professional



- Milestone configured to receive 4 RTSP streams as 8 separate cameras; A-C01 to AC04 and B-C01 to BC04
- Ipsotek Server A and Server B both running VISuite software configured to use the  Milestone Driver integration.
- Ipsotek Server A and Server B connect to Milestone Server to retrieve live video for respective cameras.
- Ipsotek Server A and Server B send Alerts to the Milestone Driver that then forwards these to the Milestone Server.
- Milestone Server/Client running Milestone Recording, Event and Management Servers.
- Milestone receives the alarms as Analytics Events.
- The Ipsotek Alarm Playback plugin is used to display the associated metadata and video for the events.

| Req | Description | Professional |
|-----|-------------|--------------|
| F.1 | **Receive video stream from Milestone System via Ipsotek plugin** | ✔ |
| F.2 | **Raise Milestone XProtect Analytics Event** | ✔ |
| F.3 | **Ipsotek Metadata sent to Milestone and displayed on Analytics Events raised in Milestone Smart Client** | Not Applicable<br><br>MIP Driver Not supported |
| F4 | **Ipsotek Alarm Playback Component used to display and review alerts with metadata** | ✔ |
| F.5 | **Ipsotek VIconfigure Component used to configure server** | ✔ |
| F.6 | **Ipsotek Reporting Component used to view reports** | ✔ |

# 5. Individual Test Results

| Test | Test description | Result | Notes |
|------|-----------------|--------|-------|
| TC.1 | Starting Milestone Proxy with incorrect credentials. | **Pass** | Service does not start (Error is logged) |
| TC.2 | Ensure Milestone Proxy can login to the Milestone XProtect Management Server with the correctly configured ini file | **Pass** | Milestone Proxy successfully connected to the Milestone Management Server |
| TC.3 | Configure a valid MIP port and start Milestone Proxy | **Pass** | Logs show that configured ports started and listening |
| TC.4 | Ensure Milestone Proxy can download the Milestone site configuration | **Pass** | Logs show configuration downloaded. |
| TC.5 | Detect a that a MIP port is not available when starting the Milestone Proxy | **Pass** | Logs show that port is only allowed to be used once. |
| TC.6 | As Admin user: VIC should be able to edit the "Export Alarms" field in the startup parameters under the Alarm Export section | **Pass** | |
| TC.7 | As Admin user: VIC should be able to edit the "IP Address" field in the startup parameters under the Alarm Export section | **Pass** | |
| TC.8 | As Admin user: VIC should be able to edit the "PortNo" field in the startup parameters under the Alarm Export section | **Pass** | |
| TC.9 | As admin user I should be able to enable the metadata mode for the xml exporter | **Pass** | |
| TC.10 | Ensure VIHost is able to start the XML export thread with the configured settings | **Pass** | |
| TC.11 | Milestone Proxy should be able to have more than one VIS server connected | **Pass** | Two servers connected to Proxy |
| TC.12 | As admin user: VIC should be able to edit a channels video source to "RTSP using live555" | **Pass** | |
| TC.13 | NVD should be able to connect to an RTSP using live555 | **Pass** | |

| Test | Test description | Result | Notes |
|------|-----------------|--------|-------|
| TC.14 | Should be possible add new MIP Driver from Milestone VMS server | Pass | |
| TC.15 | Milestone Proxy should be able to receive alarms from a connected VIS server. | Pass | |
| TC.16 | Milestone Proxy should be able to receive alarms from every connected VIS server. | Pass | Proxy received alerts from two servers |
| TC.17 | Milestone Proxy should be able to send metadata from any alarm from a connected VIS server | Pass | |
| TC.18 | Milestone Proxy should be able to send metadata from any alarm per VIS server connected | Pass | Proxy received metadata from two servers |
| TC.19 | Stress test: trigger analytics events and send metadata from several VIS servers | Pass | |
| TC.20 | Ensure Milestone Proxy can output zone Based Alarm Metadata correctly to the Milestone System | Pass | Object Intrusion template used to test |
| TC.21 | Ensure Milestone Proxy can output occupancy Based Alarm Metadata correctly to the Milestone System | Pass | Percentage Overcrowding template used to test |
| TC.22 | Ensure metadata is being sent from VIHost to the external xml server and is in the correct format | Pass | |
| TC.23 | Ensure admin user can install the Ipsotek Smart Client Plugin for the Milestone Smart Client 64 bit | Pass | |
| TC.24 | Ensure Ipsotek Smart Client Plugin displays correctly in the Milestone Smart Client | Pass | |
| TC.25 | Ensure Ipsotek Smart Client Plugin can connect and use the VIConfigure Component in the Milestone Smart Client | Pass | |
| TC.26 | Ensure Ipsotek Smart Client Plugin can connect and use the VIZ Component in the Milestone Smart Client | Pass | |

| Test | Test description | Result | Notes |
|------|-----------------|--------|-------|
| TC.27 | Ensure Milestone Proxy is functional after a restart of VIHost | **Pass** | Service stopped manually and started manually using service manager application. |
| TC.28 | Ensure Milestone Proxy is functional after restart of XProtect Management Server | **Pass** | Service stopped manually and started manually using systray icon. |
| TC.29 | Ensure Milestone Proxy is functional after restart of XProtect Event Server | **Pass** | Service stopped manually and started manually using systray icon. |
| TC.30 | Ensure Milestone Proxy is functional after restart of XProtect Recording Server | **Pass** | Service stopped manually and started manually using systray icon. |
| TC.31 | Ensure Milestone Proxy is functional after restart of All XProtect Servers | **Pass** | All services stopped manually and started manually using systray icons. |
| TC.32 | Ensure Milestone Proxy is functional after restart of Milestone Server | **Pass** | Server took a while to reboot as VM server |
| TC.33 | Admin User is able to create a Milestone XProtect Plugin | **Pass** | |
| TC.34 | NVD should successfully start the Milestone XProtect Plugin. | **Pass** | |
| TC.35 | NVD should successfully close the Milestone XProtect Plugin. | **Pass** | |
| TC.36 | Ensure NVC can receive a Milestone video stream without starting a MIP Driver | **Pass** | |
| TC.37 | Ensure Milestone Plugin can login to the Milestone Management Server and download the site configuration | **Pass** | |
| TC.38 | Ensure NVC's can handle and recover when a Milestone Recording Servers fails and comes online again | **Pass** | |
| TC.39 | Ensure NVC's can handle and recover when a Milestone camera disconnects and reconnects back | **Pass** | Simulated by stopping RTSP server affecting all 8 channels of video. |
| TC.40 | Ensure VCA Server Reconnects Milestone Video Stream after a VCA Server Restart | **Pass** | |

| Test | Test description | Result | Notes |
|------|------------------|--------|-------|
| **TC.41** | Ensure Milestone Plugin can update its local site configuration when Cameras from Milestone are added | **Pass** | |
| **TC.42** | Ensure Milestone Plugin can update its local site configuration when Cameras from Milestone are removed | **Pass** | Warning is raised in Plugin Manager notifying user of the removed camera. |

# 6. Support

If you require technical support, please use the following details to contact us directly;

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| **Support Telephone** | +44 (0) 208 971 8301 |
| **Ipsotek Ltd Telephone** | +44 (0) 208 971 8300 |
| **Support Email** | support@ipsotek.com |

# 7. General Information

If you there any further questions non-specific to the VI software, please use the following details below to contact one of our representatives;

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|---|---|
| **Ipsotek Ltd Telephone** | +44 (0) 208 971 8300 |
| **Ipsotek Ltd Fax** | +44 (0) 20 8879 6031 |
| **Email** | sales@ipsotek.com |
| **Address** | Ipsotek ltd,<br>PO Box 54055,<br>London,<br>SW19 4WE,<br>United Kingdom. |
| **Registered Address** | Acre House,<br>11-15 William Road,<br>London,<br>NW1 3ER,<br>United Kingdom. |

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