

## INSTALLATION GUIDE

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# Hiperwall Plugin for XProtect Smart Client

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## Overview

Milestone enables applications to be hosted by its XProtect product line using the Milestone MIPS SDK. The Hiperwall Plugin was developed by Hiperwall using the MIPS SDK and is hosted by the XProtect Smart Client. It enables Milestone and Hiperwall users to connect cameras available on a Milestone VMS to a Hiperwall system. Once connected, the cameras can be opened, closed disconnected and reconnected using either the Hiperwall Plugin or the Hiperwall controls. The Hiperwall Plugin reduces the number of connections required per camera since the Hiperwall System will now be connecting to the cameras via the Milestone system.

## Copyright, Trademarks and Disclaimers

### Copyright

Hiperwall Plugin for Milestone XProtect Smart Client Installation Guide v1.0.0.17

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### Trademarks

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Hiperwall® is a registered trademark of the University of California and used under license.

XProtect is a registered trademark of Milestone Systems A/S

### Disclaimer

This technical manual is intended to provide users with the assistance needed to operate the Hiperwall Plugin for Milestone XProtect Smart to be used with Hiperwall Software v7.1 or higher.

No part of this documentation shall be reproduced, stored in a retrieval system, or transmitted by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written permission of Hiperwall, Inc. No copyright or patent liability is assumed with respect to the use of the information contained herein.

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The information in this documentation is subject to change without notice and does not represent a commitment on the part of Hiperwall, Inc. The software described in this documentation is furnished

under a license or nondisclosure agreement. This software may be used or copied only in accordance with the terms of these agreements.

## Licensing

Licenses for both the Milestone VMS and the Hiperwall system are required to make use of the Hiperwall Plugin.

### Required Milestone licenses

| Part Number | Quantity | Description                                    |
|-------------|----------|--|
|             | 1        | Milestone XProtect Server (Ver. 2020 R3)       |
|             | 1+       | Milestone XProtect Smart Client (Ver. 2020 R3) |

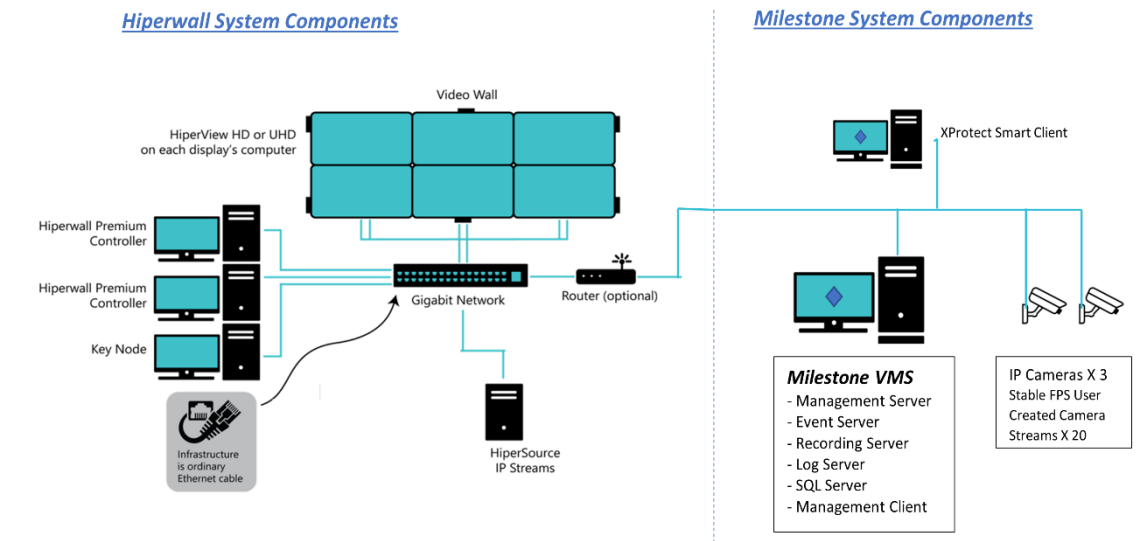
### Required Hiperwall licenses

| Part Number     | Quantity | Description                                     |
|-----------------|----------|---|
| HWC7 or HWP7    | 1        | Hiperwall Standard or Premium system (Ver. 7.1) |
| HVHD7 or HVUHD7 | 1+       | HiperView HD or HiperView UHD (Ver. 7.1)        |
| HS7             | 1+       | HiperSource IP Streams (Ver. 7.1)               |
| HSC7            | 1        | HiperInterface (Ver. 7.1)                       |
| HPMIL           | 1        | VMS Plugin (Milestone)                          |

Please contact Milestone or Hiperwall for specific licensing questions for their respective products

# Design

A sample hardware configuration to run the Hiperwall Plugin is presented in the figure below.



## Installation

The Hiperwall Plugin was developed by Hiperwall using the MIPS SDK and is hosted by the Milestone XProtect Smart Client. It allows Milestone VMS users to connect and open Milestone cameras on their Hiperwall system walls.

To install a Hiperwall Plugin, you will need to obtain the following files from Hiperwall Inc.:

- HiperwallPlugin.dll
- plugin.def
- WPFMultiSelectTreeView.dll
- CS.Net.dll

Hiperwall will provide these files in a directory named Hiperwall which will need to be copied on each Milestone Smart Client machine where the Plugin will be used, as described in the following section.

## Plugin Location

The folders used for loading the plugins by the Milestone Smart Client are named *MIPPlugins*. The HiperwallPlugin folder must be placed as follows:

For Smart Client installed as 32-bit application:

C:\Program Files (x86)\Milestone\MIPPlugins

For Smart Client installed as 64-bit application:

C:\Program Files\Milestone\MIPPlugins

Note, the MIPPlugins folder may contain other folders for other plugin applications. To load and use the Hiperwall Plugin, the HiperwallPlugin folder, containing the DLLs and plugin.def files mentioned above must exist in one of the above-mentioned Milestone folders.

### To verify that the plugin is loaded:

1. Start up the Milestone XProtect Smart Client.
2. In the upper right-hand corner of the Smart Client Window, below the Windows Minimize, Maximize and Close icons, you'll find the 4 icons shown below:



3. Click the icon with the question mark and a drop-down list will be displayed.
4. Select About to display the list of the loaded Plugins shown in the Figure 1 below.

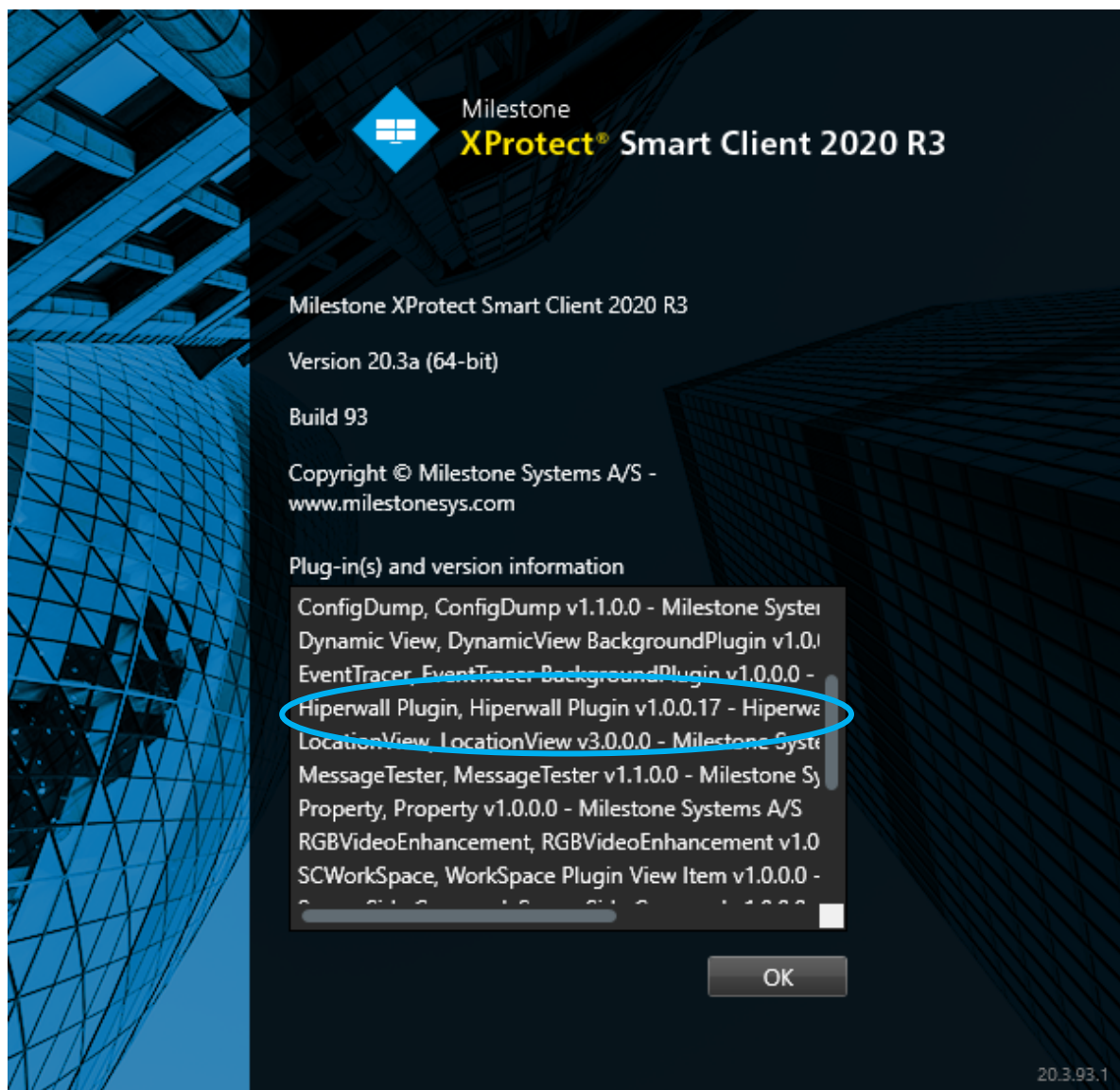


Figure 1. Milestone XProtect Smart Client About Listing

5. Find the name of the Plugin you are looking for, in this case Hiperwall Plugin, to verify that the plugin is loaded.

Click the OK or "X" button to close the dialog box.



## ABOUT HIPERWALL INC.

Hiperwall, Inc., a leading company in next-generation video wall systems and distributed visualization software technology, is transforming the industry by eliminating the need for specialized servers, matrix switches, tangled cables, and time-consuming training in favor of a solution that is easy to install, easy to use and easy on the budget. Hiperwall has eliminated these barriers by developing a software-based video wall system that is completely hardware agnostic, allowing users to deploy systems with nothing more than commonly available PCs, monitors, and network equipment.

[www.hiperwall.com](http://www.hiperwall.com)

## ABOUT MILESTONE

Milestone Systems is a leading provider of open platform video management software; technology that helps the world see how to ensure safety, protect assets and increase business efficiency. Milestone enables an open platform community that drives collaboration and innovation in the development and use of network video technology, with reliable and scalable solutions that are proven in more than 150,000 sites worldwide. Founded in 1998, Milestone is a stand-alone company in the Canon Group.

[www.milestonesys.com/community/marketplace](http://www.milestonesys.com/community/marketplace)