

# Reference Manual

*Video Pro for Magento 2.x — Extmag\_Videopro*

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# 1 Module facts

Field	Value
Package name	extmag/videopro
Module name	Extmag_Videopro
PHP namespace	Extmag\Videopro\
Version	1.3.2
PHP required	>= 7.4 (8.1, 8.2, 8.3 verified)
Dependencies	extmag/core ^1.3.7
Magento sequence	Magento_Catalog , Magento_Cms
Database schema	none
Cron jobs	none
REST / SOAP API	none

## 2 System configuration reference

Stores → Configuration → Extmag → Video Pro ( `section_id = extmag_videopro` ).

### 2.1 General ( `extmag_videopro/general/...` )

Field	Default	Source model	Notes
<code>allow_formats</code>	<code>mp4, webm, ogv</code>	<code>Extmag\Videopro\Model\Source\Formats</code>	Comma-separated value in <code>core_config_data</code> . Multiselect on the UI.
<code>controls_list</code>	<code>empty</code>	<code>Extmag\Videopro\Model\Source\ControlsList</code>	Tokens stored comma-separated. Empty = no HTML5 player restrictions.

Configuration is **default-scope only** ( `showInWebsite=0` , `showInStore=0` ). There is no per-website / per-store override path — a single global value applies storefront-wide.

### 2.2 Source models

#### 2.2.1 `Extmag\Videopro\Model\Source\Formats`

```
[
  'mp4' => 'MPEG-4',
  'webm' => 'WebM',
  'ogv' => 'Ogv',
  'flv' => 'Flv',
  'avi' => 'AVI',
  'mov' => 'MOV',
  'wmv' => 'WMV',
]
```

#### 2.2.2 `Extmag\Videopro\Model\Source\ControlsList`

```
[
  'nodownload' => 'No Download',
  'noremoteplayback' => 'No Remote Playback',
  'disablepictureinpicture' => 'Disable Picture In Picture',
]
```

Only `nodownload` and `noremoteplayback` are emitted into the HTML5 `controlsList` attribute. `disablepictureinpicture` is emitted as the separate boolean `disablePictureInPicture` attribute on `<video>`.

## 3 Supported MIME types

The WYSIWYG file browser accepts these extension → MIME pairs (registered through `Magento\Cms\Model\Wysiwyg\Images\Storage` DI):

Extension	MIME type
flv	video/x-flv
avi	video/x-msvideo
mov	video/x-sgi-movie, video/quicktime
wmv	video/x-ms-wmv
mp4	video/mp4
webm	video/webm, video/x-matroska (mkv aliased to webm)
ogv	video/ogv
ogg	video/ogg
mpeg	video/mpeg

The *Allowed Video Formats* configuration further filters which of these extensions are actually offered in the *Upload Videos* picker — see [General](#) above.

## 4 ACL

```
Magento_Backend::admin
├─ Magento_Backend::stores
│   └─ Magento_Backend::stores_settings
│       └─ Magento_Config::config
│           └─ Extmag_Core::config
│               └─ Extmag_Videopro::config "Video Pro"
```

Resource id: `Extmag_Videopro::config`. Granting it on the *Extmag* tab lets a role open and edit the *Video Pro* configuration section but does not grant any other Extmag configuration sections.

## 5 DI preferences and plugins

The module ships no REST API and no events / observers. The integration is entirely DI-driven. Listed below for migration / audit purposes.

### 5.1 Preferences

Magento interface / class	Replacement class
<code>Magento\Cms\Model\Wysiwyg\Images\Storage</code>	<code>Extmag\Videopro\Model\Wysiwyg\Images\Storage</code>
<code>Magento\Cms\Helper\Wysiwyg\Images</code>	<code>Extmag\Videopro\Helper\Wysiwyg\Images</code>
<code>Magento\Framework\Data\Form\Element\Editor</code>	<code>Extmag\Videopro\Data\Form\Element\Editor</code>

### 5.2 Plugins

Subject	Plugin	Method
<code>Magento\Cms\Model\Wysiwyg\Config</code>	<code>Extmag\Videopro\Plugin\Wysiwyg\Config</code>	<code>afterGetContent</code> — registers the Insert Video TinyMCE plugin
<code>Magento\MediaGalleryUi\Ui\Component\Listing\Provider</code>	<code>Extmag\Videopro\Plugin\Ui\Component\Listing\Provider</code>	Listing of media gallery assets surfaces video alongside images

Subject	Plugin	Method
Magento\MediaGalleryUi\Model\GetDetailsByAssetId	Extmag\Videopro\Plugin\Model\GetDetailsByAssetId	Resolves mec gallery asset details for video assets.

## 6 Storefront JavaScript

### 6.1 Extmag\_Videopro/js/apply-controlsList

RequireJS module loaded from the Extmag\Videopro\Block\Config block on every page (registered in view/frontend/layout/default.xml → before.body.end). Reads window.extmagVideoproConfig and applies attributes to every <video controls> element on the page:

Config key	Applied as
controlsList	controlsList="..." (space-separated tokens)
disablePictureInPicture	disablepictureinpicture boolean attribute

A MutationObserver re-runs on DOM insertions so videos added by AJAX (quick view, gallery swap, slider) get the same treatment.

### 6.2 Gallery mixins

Mixin	Target
Extmag_Videopro/js/load-player-mixin	Magento product video player loader.
Extmag_Videopro/js/fotorama-add-video-events-mixin	Fotorama widget — wires video events into the gallery navigation.

## 7 Helper API (PHP)

The module exposes a single helper. There are no REST / SOAP / GraphQL endpoints. Use the helper from your own modules via DI.

### 7.1 Extmag\Videopro\Helper\Data

```
const XML_PATH_CONTROLS_LIST = 'extmag_videopro/general/controls_list';

public function getControlsList(): array;
public function getControlsListAttribute(): string;
public function isDisablePictureInPicture(): bool;
```

Method	Return
getControlsList()	Configured tokens. Comma-split, deduped, trimmed. Empty array when nothing configured.
getControlsListAttribute()	Space-separated tokens for the HTML5 controlsList attribute. disablepictureinpicture excluded.
isDisablePictureInPicture()	true iff disablepictureinpicture is among the configured tokens.

Picked up by Extmag\Videopro\Block\Config::getJsonConfig and serialised into window.extmagVideoproConfig for the storefront JS.

## 8 Configuration JSON shape (storefront)

The <script> emitted by Extmag\_Videopro::config.phtml writes:

```
{
  "controlsList": "nodownload noremoteplayback",
  "disablePictureInPicture": true
}
```

Both fields are always present. `controlsList` may be empty string and `disablePictureInPicture` may be `false`. The storefront JS treats an empty / false value as a no-op.

## 9 Block reference

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### 9.1 Extmag\Videopro\Block\Config

Template-backed block, rendered into `before.body.end` on every storefront page. Emits the configuration script tag and requires `Extmag_Videopro/js/apply-controlsList`. Constructor takes the helper and the framework JSON encoder; no further customisation hooks.

## 10 Magento 2.4.7+ upload fix — what changed

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Magento 2.4.7 reworked the WYSIWYG image-storage uploader and split the file picker into image-only vs video-aware paths. The module restores the *Upload Videos* row by:

1. Preferring `Magento\Cms\Model\Wysiwyg\Images\Storage` to inject the video MIME map (`flv`, `avi`, `mov`, `wmv`, `mp4`, `webm`, `x-matroska`, `ogv`, `ogg`, `mpeg`, `quicktime`).
2. Preferring `Magento\Cms\Helper\Wysiwyg\Images` and shipping `view/adminhtml/templates/browser/content/video_uploader.phtml` to render the *Upload Videos* row in the file browser.
3. Preferring `Magento\Framework\Data\Form\Element\Editor` so the *Insert Video* button can be added to the WYSIWYG toolbar through the `Wysiwyg\Config` plugin.

No setting toggles the fix — preferences are applied as soon as the module is enabled.

## 11 Frontend / theme support matrix

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Theme	Status	Notes
Luma	Native	Default. <code>fotorama-add-video-events-mixin</code> and <code>load-player-mixin</code> cover the gallery.
Blank	Native	Same as Luma.
Hyva Theme	Compatible	Requires the Hyva-Themes compatibility module. Hyva uses Alpine.js media rendering — needs a bridge.
Hyva Checkout	Compatible	Video Pro affects gallery + content, not checkout, so default behavior applies.
Custom themes	Possibly compatible	Anything extending Luma will inherit the mixins. Heavy customisations may need a small adapter.

## 12 Known limitations

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- **No per-store override.** Allowed formats and Controls List are default-scope only. Different storefronts on the same Magento instance cannot vary these settings.
- **No webapi.** The module ships no `webapi.xml`. There is no REST / SOAP / GraphQL surface — consume the helper via DI for programmatic use.
- **`controlsList` is browser-agnostic.** No HTML attribute can prevent a determined user from saving a `<video>` source via devtools or a screen recorder. Use signed URLs / DRM for stronger protection.
- **Picture-In-Picture suppression varies.** Chromium and Safari honor `disablePictureInPicture` reliably; Firefox honors it partially across releases.
- **Format playback depends on the browser.** AVI, WMV, FLV files can be uploaded but will not play in any modern browser without a plugin. Keep them for archival only; serve MP4 and WebM in practice.
- **No GraphQL coverage.** Self-hosted product video URLs are exposed through the standard Magento product media GraphQL types — no module-specific schema additions.