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# GET-VIDEOCONTROLLER

24/10/2018 by [STEPHANOS](#) — [LEAVE A COMMENT](#)

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## Description

Get-VideoController will provide you the information about the capabilities and management capacity of the video controller on a computer system running Windows.

Hardware that is not compatible with Windows Display Driver Model (WDDM) returns inaccurate property values.

**Note:** You need to install SysInfo module in order for this cmdlet to be available. For more information, see [PowerShell Module SysInfo](#).

Syntax:

### Get-VideoController

```
[[ -ComputerName] <String[]>]
[[ -Protocol] <String>]
[[ -Properties] <String[]>]
[<CommonParameters>]
```

## Requirements

- SysInfo PowerShell Module
- WinRM Enabled and PowerShell 3.0 (only if you use WinRM protocol)

If you want to find more about the specific cmdlet while you are in PowerShell you can use the below to get the help file.

Code:

### Get-Help Get-VideoController

Output:

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```
PS C:\Windows> Get-Help Get-VideoController

NAME
    Get-VideoController

SYNOPSIS
    Gets the information about the capabilities and management
    capacity of the video controller on a computer system
    running Windows.

SYNTAX
    Get-VideoController [[-ComputerName] <String[]>] [[-Protocol] <String>] [[-Properties] <String[]>] [<CommonParameters>]

DESCRIPTION
    Gets the information about the capabilities and management
    capacity of the video controller on a computer system
    running Windows and converts all codes in results into
    human readable format. Hardware that is not compatible with
    Windows Display Driver Model (WDDM) returns inaccurate
    property values

RELATED LINKS
    https://www.sconstantinou.com/get-videocontroller

REMARKS
    To see the examples, type: "get-help Get-VideoController -examples".
    For more information, type: "get-help Get-VideoController -detailed".
    For technical information, type: "get-help Get-VideoController -full".
    For online help, type: "get-help Get-VideoController -online"
```

Now lets see few examples about **Get-VideoController**.

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## Examples

### Example 1

This command gets the information from local system.

```
PS C:\> Get-VideoController
```

```
Name                : Intel(R) HD Graphics
DeviceID            : VideoController1
VideoProcessor      : Intel(R) HD Graphics Family
VideoArchitecture   : VGA
```

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## Example 2

This command gets the information from Server1.

```
PS C:\> Get-VideoController -ComputerName Server1
```

```
Name           : Microsoft Hyper-V Video
DeviceID        : VideoController1
VideoProcessor  :
VideoArchitecture : VGA
AdapterDACType  :
AdapterRAM      :
Status          : OK
SystemName      : Server1
```

## Example 3

This command gets the information from remote system with IP 192.168.0.5.

```
PS C:\> Get-VideoController -ComputerName "192.168.0.5"
```

## Example 4

This command gets the information from Server1, Server2 and Server3.

```
PS C:\> Get-VideoController -ComputerName Server1,Server2,Server3
```



## Example 5

This command gets the information from Server1 and will output only Name and Status Properties.

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This command gets the information from Server1 and will output all properties.

```
PS C:\> Get-VideoController -ComputerName Server1 -Properties
```



### Example 7

This command gets the information from Server1.

```
PS C:\> "Server1" | Get-VideoController
```

### Example 8

This command gets the information from Server1 using DCOM protocol.

```
PS C:\> Get-VideoController -ComputerName Server1 -Protocol DCOM
```



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## Optional Parameters

- **-ComputerName**
  - Description: Specifies the computer names or IP Addresses of the systems that we want to get the information from.
  - Required: False
  - Position: 1
  - Default value: None
  - Accept pipeline input: True (ByValue)
  - Accept wildcard characters: False
- **-Protocol**
  - Description: Specifies the protocol that will be used to get the information from the remote system.
  - Accepted Values: DCOM or WinRM

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- Accept wildcard characters: False
- **-Properties**
  - Description: Specifies the object properties that appear in the display and the order in which they appear. Wildcards are permitted.
  - Required: False
  - Position: 3
  - Default value
  - Accept pipeline input: False
  - Accept wildcard characters: True

## Inputs

System.Array.

Get-VideoController can accept a string value to determine the ComputerName parameter.

## Outputs

System.Object.

Get-VideoController returns an object containing all the information that has been retrieved.

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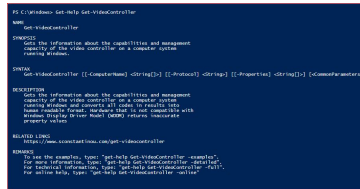
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**Article Name** Get-VideoController

**Description** Get-VideoController. Here you will find information about Get-VideoController and its use.  
Stephanos Constantinou Blog - PowerShell Scripting

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