# Server Minimum Requirements

# Recommend

## 0~500pcs

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| **Server** | |
| **OS** | Windows Server 2012 SP2 64bit  Windows Server 2012 R2 SP1 64bit  Windows Server 2016 64bit  Windows Server 2016 R2 64bit or more |
| **CPU** | 8 core or more, Frequency not less than 2.6GHz |
| **NIC** | 1 Gigabit Ethernet |
| **RAM** | 8G or more |
| **Hard Disk** | 1T or more |
| **Network** | 5Mps or more |

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| **Client** | |
| **OS** | Windows 7 SP1 64bit  Windows 8 64bit  Windows 8.1 64bit  Windows 10 64bit |
| **CPU** | 8 core or more, Frequency not less than 2.6GHz |
| **NIC** | 100M bit Ethernet |
| **RAM** | 4G or more |
| **Graphics card** | Discrete graphics ,memory 2G or more |

## 1000~2000pcs

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| **Server** | |
| **OS** | Windows Server 2012 SP2 64bit  Windows Server 2012 R2 SP1 64bit  Windows Server 2016 64bit  Windows Server 2016 R2 64bit or more |
| **CPU** | 10 core or more, Frequency not less than 3.4GHz |
| **NIC** | 2 Gigabit Ethernet |
| **RAM** | 32G or more |
| **Hard Disk** | 4T or more |
| **Network** | More than 10Mps |

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| **Client** | |
| **OS** | Windows 7 SP1 64bit  Windows 8 64bit  Windows 8.1 64bit  Windows 10 64bit |
| **CPU** | 10 core or more, Frequency not less than 3.4GHz |
| **NIC** | 1 Gigabit Ethernet |
| **RAM** | 16G or more |
| **Graphics card** | Discrete graphics ,memory 2G or more |

## 5000~10000pcs

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| **Server** | |
| **OS** | Windows Server 2012 SP2 64bit  Windows Server 2012 R2 SP1 64bit  Windows Server 2016 64bit  Windows Server 2016 R2 64bit or more |
| **CPU** | 12 core or more, Frequency not less than 3.6GHz |
| **NIC** | 2 Gigabit Ethernet |
| **RAM** | 64G or more |
| **Hard Disk** | 10T or more |
| **Network** | 100Mps or higher |

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| **Client** | |
| **OS** | Windows 7 SP1 64bit  Windows 8 64bit  Windows 8.1 64bit  Windows 10 64bit |
| **CPU** | 12 core or more, Frequency not less than 3.6GHz |
| **NIC** | 1 Gigabit Ethernet |
| **RAM** | 32G or more |
| **Graphics card** | Discrete graphics ,memory 2G or more |

If your server had many video preview requests, then you need to add cluster servers to make it works well. For example, if your server had about 1200 channel video requests at the same time, then you need to add 3 media cluster server at least, one media server can preview about 400 video at the same time, the media server requirements also need to same as the main server. Also if you want to do WIFI download for many devices, then you need to add WIFI cluster server.