



BASTA!
.NET, WINDOWS, VISUAL STUDIO

KINECTing the Enterprise

Businessanwendungen mit
Kinect for Windows

About

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<http://passiondev.wordpress.com>



Agenda

Überblick Kinect for Windows

K4W API

InteractionStream



← → ↻ iq.intel.com/iq/35566343/the-world-is-your-interface-with-digital-overlays ☆ ☰

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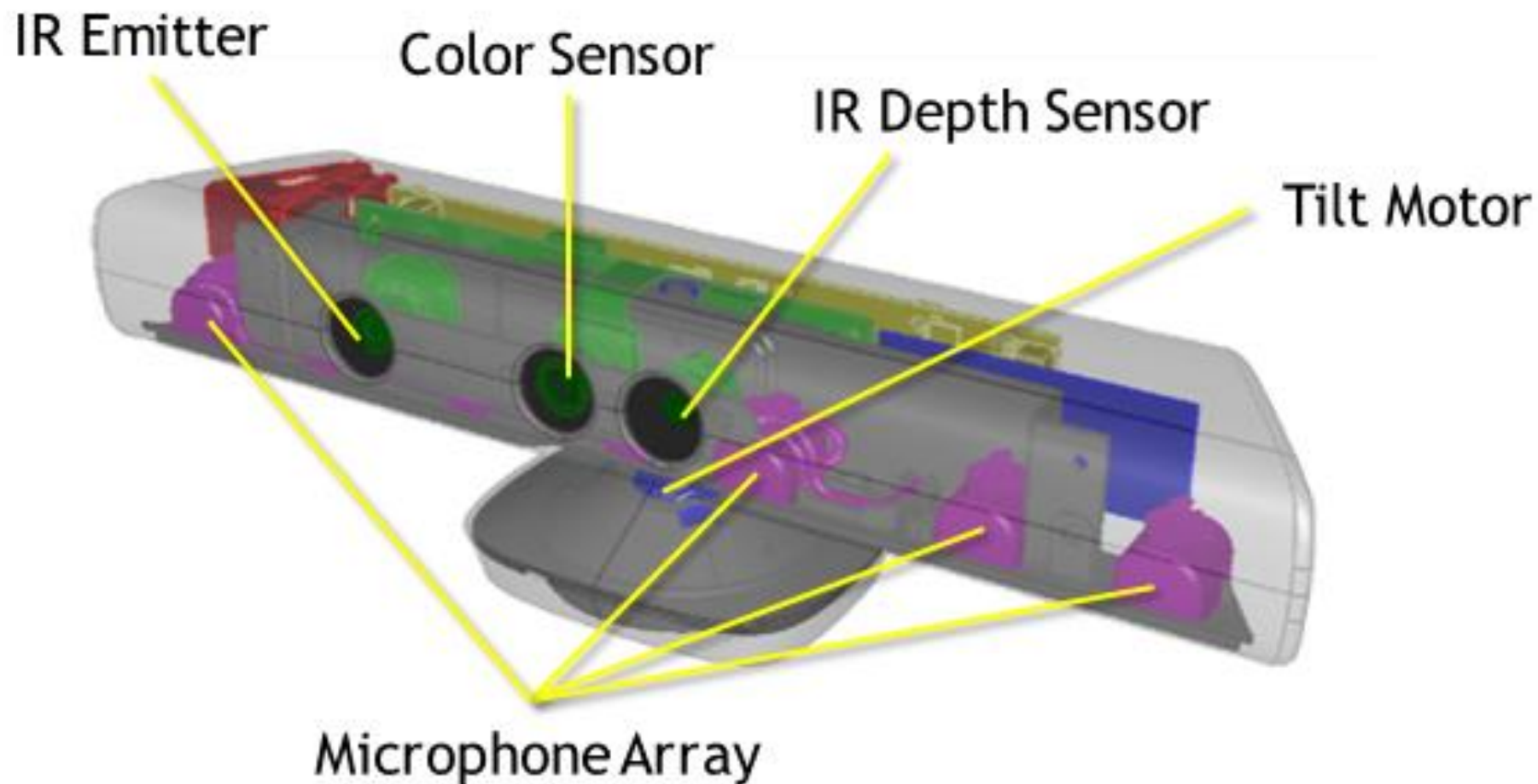
Touchscreens and tablets are so 2012. Why carry a screen around with you when the world can serve as your everywhere interface? Modern projection technology coupled with motion sensors like the Kinect can bring common surfaces and objects to life, imbuing them with functionality or adding an additional layer of information and interactivity. This allows digital installations to pop-up nearly anywhere without the need for giant screens or hard-wired interfaces. Instead, people can just use their hands, arms and bodies to manipulate whatever's projected around them.

Kinect Hack: Instagram Touchscreen Wall

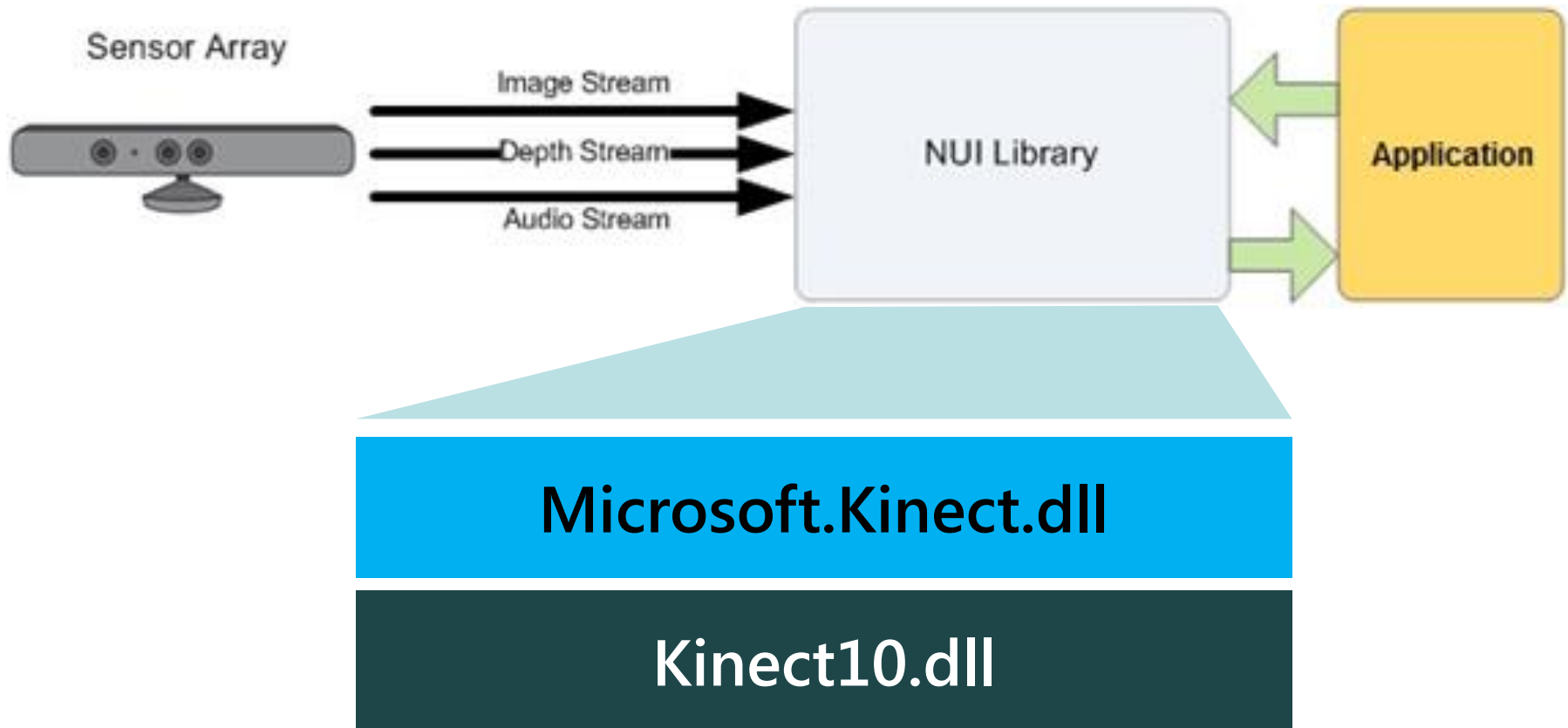








Kinect for Windows SDK



Microsoft.Kinect

```
class KinectSensor
```

```
    Color  
    Stream
```

```
    Depth  
    Stream
```

DEMO

Connect a Kinect
Subscribe to
Streams

Microsoft.Kinect

```
class KinectSensor
```

```
    Color  
    Stream
```

```
    Depth  
    Stream
```

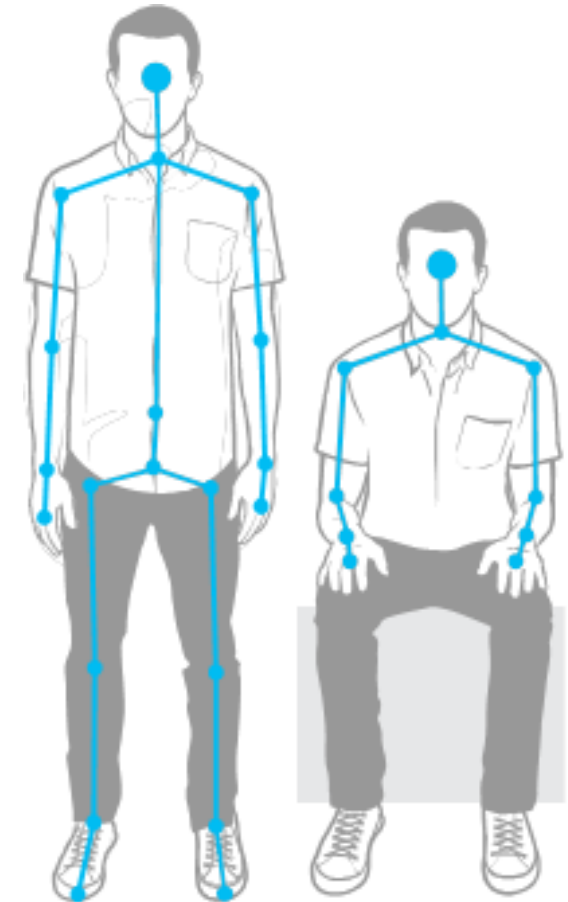
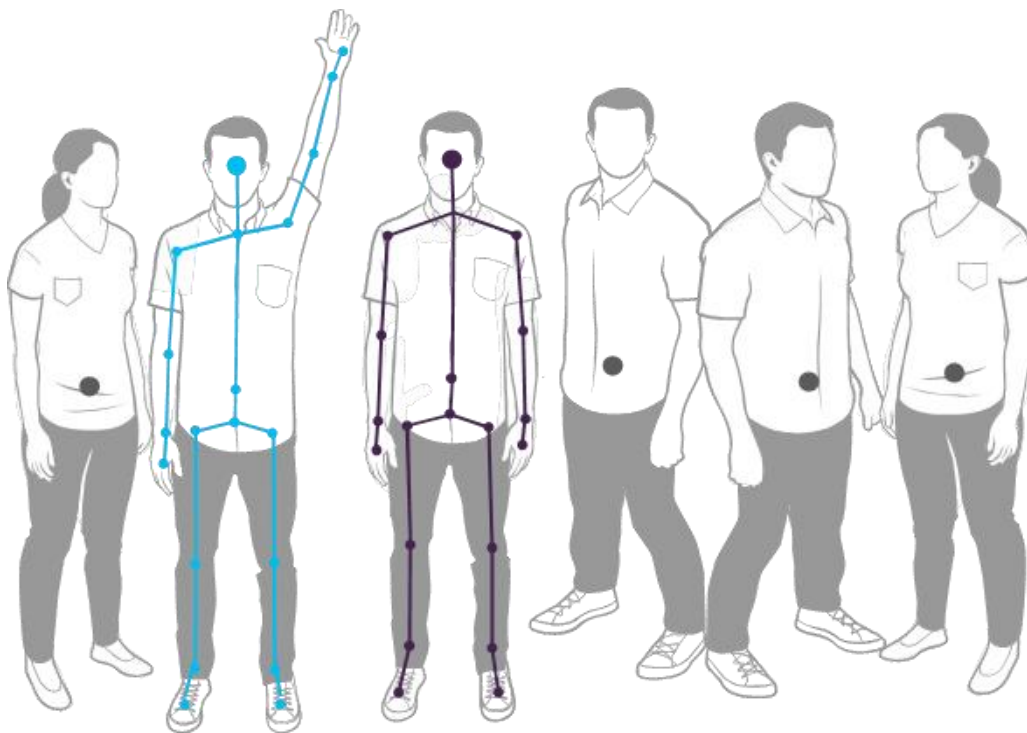
```
    Skeleton  
    Stream
```

Kinect erkennt **6 Personen**

2 Personen werden **aktiv** verfolgt

Default: 20 Gelenkpunkte

Seated Mode: 10 Gelenkpunkte



DEMO

SkeletonStream

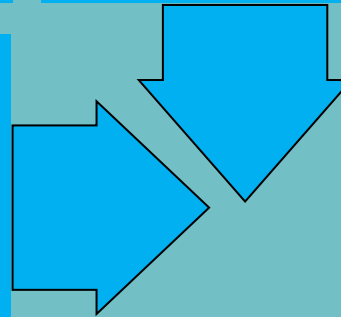
Microsoft.Kinect

```
class KinectSensor
```

Color
Stream

Depth
Stream

Skeleton
Stream



Microsoft.Kinect

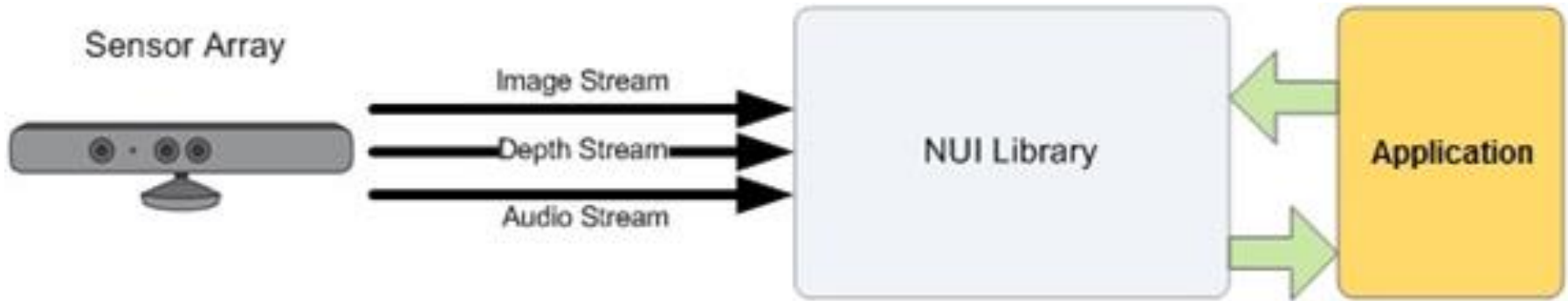
```
class KinectSensor
```

Color
Stream

Depth
Stream

Skeleton
Stream

Interaction
Stream



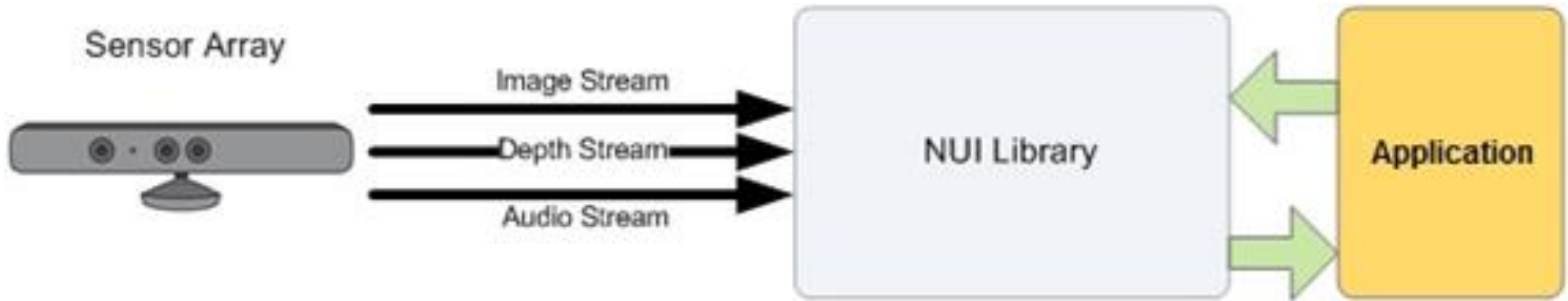
Microsoft.Kinect.Toolkit.Interaction.dll

KinectInteraction170_32.dll

KinectInteraction170_64.dll

Microsoft.Kinect.dll

Kinect10.dll



Microsoft.Kinect.Toolkit.Interaction.dll

KinectInteraction170_32.dll

KinectInteraction170_64.dll

Microsoft.Kinect.dll

Kinect10.dll

DEMO

InteractionStream Drag & Drop

DANKE...

Download V1.8

Keep Kinected!!!