

iProfilerData (IProfilerData)

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identification	
occurs	1
id (element of identification)	
type	string
occurs	1
restriction	length: 1..50 chars
description	measurement id from measurement device
timeStamp (element of identification)	
type	dateTime
occurs	1
description	measurement time from measurement device
counter (element of identification)	
type	int
occurs	0..1
restriction	min: 0
description	counter of ?
device (element of identification)	
occurs	0..1
deviceId (element of device)	
type	string
occurs	1
restriction	length: 1..50 chars
description	id of measurement device
softwareVersion (element of device)	
type	string
occurs	1
restriction	length: 1..50 chars
description	software version of measurement device
result	
type	IProfilerResult
occurs	1..10
description	result set of a measurement
pupilData	
occurs	0..4
side (attribute of pupilData)	
type	Sides
use	required
description	eye side

condition (attribute of pupilData)	
type	LightingContitions
use	required
description	lighting conditions
pupilDiameter (element of pupilData)	
type	float
unity	mm
occurs	1
description	diameter of pupil
pupilCenter (element of pupilData)	
occurs	1
x (element of pupilCenter)	
type	float
unity	mm
occurs	1
description	x coordinate of pupil center
y (element of pupilCenter)	
type	float
unity	mm
occurs	1
description	y coordinate of pupil center
application	
type	int
occurs	0..1
restriction	min: 0
description	

```
<xs:complexType name="IProfilerData">
  <xs:sequence>
    <xs:element name="identification">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="id">
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              <xs:restriction base="xs:string">
                <xs:minLength value="1" />
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              <xs:restriction base="xs:int">
                <xs:minInclusive value="0" />
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            </xs:simpleType>
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        </xs:sequence>
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  </xs:sequence>
</xs:complexType>
```

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        </xs:simpleType>
      </xs:element>
      <xs:element minOccurs="0" name="device">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="deviceId">
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              </xs:simpleType>
            </xs:element>
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              <xs:simpleType>
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                  <xs:minLength value="1" />
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                </xs:restriction>
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  </xs:complexType>
</xs:element>
<xs:element maxOccurs="10" name="result" type="IProfilerResult" />
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  <xs:complexType>
    <xs:sequence>
      <xs:element name="pupilDiameter" type="xs:float" />
      <xs:element name="pupilCenter">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="x" type="xs:float" />
            <xs:element name="y" type="xs:float" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
    <xs:attribute name="condition" type="LightingContitions"
use="required" />
    <xs:attribute name="side" type="Sides" use="required" />
  </xs:complexType>
</xs:element>
<xs:element minOccurs="0" name="application" type="xs:integer" />
</xs:sequence>
</xs:complexType>

```

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